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OM protein - protein search, using sw model

Run on: March 15, 2004, 07:37:14 ; Search time 33 Seconds

(without alignments)
735,837 Million cell updates/sec

Title: US-09-620-955B-2

Perfect score: 115
Sequence: 1 QVQLQESGGGLVQPGGSLRL.....CAEDRYFDIMRGTLVTVSS 115

Scoring table: OUTGO
Gapco 60.0 , Gapext 60.0

Searched: 809742 seqs, 21153259 residues

Word size : 0

Total number of hits satisfying chosen parameters: 340717

Minimum DB seq length: 0

Maximum DB seq length: 115

Post-processing: Listing first 100 summaries

Database :

Published Applications AA:*
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3: /cgn2_6/ptodata/1/pubppaa/US06_NEW_PUB.pep:*
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18: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match Length | ID | Description |
|------------|-------|--------------------|-----|-------------------|
| 1 | 65 | 56.5 | 115 | US-10-305-347A-7 |
| 2 | 63 | 54.8 | 98 | US-10-194-975-24 |
| 3 | 63 | 54.8 | 98 | US-10-194-975-24 |
| 4 | 63 | 54.8 | 98 | US-10-308-817-64 |
| 5 | 63 | 54.8 | 98 | US-10-032-037B-74 |
| 6 | 63 | 54.8 | 98 | US-10-032-037B-75 |
| 7 | 63 | 54.8 | 98 | US-10-032-037B-76 |
| 8 | 63 | 54.8 | 98 | US-10-029-988B-74 |
| 9 | 63 | 54.8 | 98 | US-10-029-988B-75 |
| 10 | 63 | 54.8 | 98 | US-10-029-988B-76 |
| 11 | 63 | 54.8 | 98 | US-10-032-423A-74 |
| 12 | 63 | 54.8 | 98 | US-10-032-423A-75 |
| 13 | 63 | 54.8 | 98 | US-10-032-423A-76 |
| 14 | 62 | 53.9 | 98 | US-10-194-975-23 |
| 15 | 62 | 53.9 | 98 | US-10-194-975-25 |
| 16 | 62 | 53.9 | 98 | US-10-308-817-63 |

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| 16 | 62 | 53.9 | 98 | US-10-308-817-65 | Sequence 65, App1 |
| 17 | 62 | 53.9 | 98 | US-10-023-037B-80 | Sequence 80, App1 |
| 18 | 62 | 53.9 | 98 | US-10-029-988B-80 | Sequence 80, App1 |
| 19 | 62 | 53.9 | 98 | US-10-032-423A-80 | Sequence 80, App1 |
| 20 | 62 | 53.9 | 133 | US-09-791-153A-63 | Sequence 63, App1 |
| 21 | 61 | 53.0 | 83 | US-10-078-958-7 | Sequence 7, App1 |
| 22 | 46 | 40.0 | 98 | US-10-194-975-26 | Sequence 26, App1 |
| 23 | 46 | 40.0 | 98 | US-10-041-860-283 | Sequence 4, App1 |
| 24 | 46 | 40.0 | 98 | US-10-041-860-283 | Sequence 283, App |
| 25 | 46 | 40.0 | 98 | US-10-041-860-283 | Sequence 283, App |
| 26 | 46 | 40.0 | 98 | US-10-041-860-307 | Sequence 307, App |
| 27 | 46 | 40.0 | 98 | US-10-041-860-308 | Sequence 308, App |
| 28 | 46 | 40.0 | 98 | US-10-041-860-310 | Sequence 310, App |
| 29 | 46 | 40.0 | 98 | US-10-041-860-310 | Sequence 310, App |
| 30 | 46 | 40.0 | 98 | US-10-032-037B-81 | Sequence 81, App1 |
| 31 | 46 | 40.0 | 98 | US-10-029-988B-81 | Sequence 81, App1 |
| 32 | 46 | 40.0 | 98 | US-10-032-423A-81 | Sequence 81, App1 |
| 33 | 46 | 40.0 | 109 | US-10-309-764-1 | Sequence 1, App1 |
| 34 | 46 | 39.1 | 102 | US-09-977-656-126 | Sequence 126, App |
| 35 | 41 | 35.7 | 98 | US-09-864-761-43343 | Sequence 43343, A |
| 36 | 41 | 35.7 | 98 | US-10-041-860-332 | Sequence 332, App |
| 37 | 40 | 34.8 | 97 | US-10-194-975-29 | Sequence 29, App1 |
| 38 | 40 | 34.8 | 97 | US-10-194-975-31 | Sequence 31, App1 |
| 39 | 40 | 34.8 | 97 | US-10-041-860-5 | Sequence 5, App1 |
| 40 | 40 | 34.8 | 97 | US-10-041-860-27 | Sequence 27, App |
| 41 | 40 | 34.8 | 97 | US-10-308-817-70 | Sequence 70, App1 |
| 42 | 40 | 34.8 | 97 | US-10-308-817-72 | Sequence 72, App1 |
| 43 | 40 | 34.8 | 97 | US-10-032-037B-68 | Sequence 68, App1 |
| 44 | 40 | 34.8 | 97 | US-10-032-037B-69 | Sequence 69, App1 |
| 45 | 40 | 34.8 | 97 | US-10-029-988B-68 | Sequence 68, App1 |
| 46 | 40 | 34.8 | 97 | US-10-029-988B-69 | Sequence 69, App1 |
| 47 | 40 | 34.8 | 97 | US-10-029-988B-68 | Sequence 68, App1 |
| 48 | 40 | 34.8 | 97 | US-10-032-423A-68 | Sequence 68, App1 |
| 49 | 40 | 34.8 | 97 | US-10-032-423A-69 | Sequence 69, App1 |
| 50 | 40 | 34.8 | 102 | US-09-977-656-123 | Sequence 123, App |
| 51 | 51 | 34.8 | 102 | US-09-977-656-127 | Sequence 127, App |
| 52 | 40 | 34.8 | 113 | US-09-056-160B-11 | Sequence 11, App1 |
| 53 | 40 | 34.8 | 113 | US-09-795-679-6 | Sequence 6, App1 |
| 54 | 39 | 33.9 | 113 | US-10-234-671-11 | Sequence 11, App1 |
| 55 | 39 | 33.9 | 96 | US-10-041-860-218 | Sequence 218, App |
| 56 | 39 | 33.9 | 98 | US-09-822-698A-18 | Sequence 18, App1 |
| 57 | 39 | 33.9 | 98 | US-10-194-975-22 | Sequence 22, App1 |
| 58 | 39 | 33.9 | 98 | US-10-125-687-19 | Sequence 19, App1 |
| 59 | 39 | 33.9 | 98 | US-10-010-942B-10 | Sequence 10, App1 |
| 60 | 39 | 33.9 | 98 | US-10-308-817-62 | Sequence 62, App1 |
| 61 | 39 | 33.9 | 98 | US-10-032-037B-77 | Sequence 77, App1 |
| 62 | 39 | 33.9 | 98 | US-10-029-988B-77 | Sequence 77, App1 |
| 63 | 39 | 33.9 | 98 | US-10-032-423A-77 | Sequence 77, App1 |
| 64 | 39 | 33.9 | 109 | US-10-309-764-17 | Sequence 17, App1 |
| 65 | 38 | 33.0 | 112 | US-10-010-729-15 | Sequence 15, App1 |
| 66 | 38 | 33.0 | 108 | US-10-026-925-24 | Sequence 24, App1 |
| 67 | 36 | 31.3 | 113 | US-10-309-764-2 | Sequence 2, App1 |
| 68 | 32 | 27.8 | 98 | US-10-194-975-10 | Sequence 10, App1 |
| 69 | 32 | 27.8 | 32 | US-09-855-271-21 | Sequence 21, App1 |
| 70 | 32 | 27.8 | 32 | US-09-949-559-123 | Sequence 123, App |
| 71 | 32 | 27.8 | 32 | US-09-875-221A-123 | Sequence 123, App |
| 72 | 32 | 27.8 | 32 | US-09-563-222A-152 | Sequence 152, App |
| 73 | 31 | 27.0 | 32 | US-09-736-371B-24 | Sequence 24, App1 |
| 74 | 29 | 25.2 | 32 | US-10-463-442-24 | Sequence 24, App1 |
| 75 | 29 | 25.2 | 30 | US-10-045-674-91 | Sequence 91, App1 |
| 76 | 29 | 25.2 | 98 | US-10-194-975-28 | Sequence 28, App1 |
| 77 | 29 | 25.2 | 98 | US-10-308-817-68 | Sequence 68, App1 |
| 78 | 29 | 25.2 | 98 | US-10-032-037B-82 | Sequence 82, App1 |
| 79 | 29 | 25.2 | 98 | US-10-029-988B-82 | Sequence 82, App1 |
| 80 | 29 | 25.2 | 98 | US-10-032-423A-82 | Sequence 82, App1 |
| 81 | 29 | 25.2 | 114 | US-10-309-762-145 | Sequence 145, App |
| 82 | 27 | 23.5 | 72 | US-10-026-925-53 | Sequence 53, App1 |
| 83 | 27 | 23.5 | 97 | US-10-194-975-18 | Sequence 18, App1 |
| 84 | 27 | 23.5 | 97 | US-10-308-817-58 | Sequence 58, App1 |
| 85 | 27 | 23.5 | 97 | US-10-032-037B-78 | Sequence 78, App1 |
| 86 | 27 | 23.5 | 97 | US-10-029-988B-78 | Sequence 78, App1 |
| 87 | 27 | 23.5 | 97 | US-10-032-423A-78 | Sequence 78, App1 |
| 88 | 27 | 23.5 | 98 | US-10-066-895-4 | Sequence 4, App1 |
| | 27 | 23.5 | 98 | US-10-194-975-15 | Sequence 15, App1 |

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| 89 | 27 | 23.5 | 98 | 14 | US-10-194-975-33 | Sequence 33, Appl |
| 90 | 27 | 23.5 | 98 | 15 | US-10-308-817-55 | Sequence 55, Appl |
| 91 | 27 | 23.5 | 98 | 15 | US-10-308-817-71 | Sequence 71, Appl |
| 92 | 27 | 23.5 | 98 | 15 | US-10-308-817-75 | Sequence 75, Appl |
| 93 | 27 | 23.5 | 98 | 15 | US-10-032-037B-79 | Sequence 79, Appl |
| 94 | 27 | 23.5 | 98 | 15 | US-10-032-037B-84 | Sequence 84, Appl |
| 95 | 27 | 23.5 | 98 | 15 | US-10-032-037B-85 | Sequence 85, Appl |
| 96 | 27 | 23.5 | 98 | 15 | US-10-029-988B-79 | Sequence 85, Appl |
| 97 | 27 | 23.5 | 98 | 15 | US-10-029-988B-84 | Sequence 84, Appl |
| 98 | 27 | 23.5 | 98 | 15 | US-10-029-988B-85 | Sequence 85, Appl |
| 99 | 27 | 23.5 | 98 | 15 | US-10-032-423A-79 | Sequence 79, Appl |
| 100 | 27 | 23.5 | 98 | 15 | US-10-032-423A-84 | Sequence 84, Appl |

ALIGNMENTS

RESULT 1
US-10-305-347A-7
; Sequence 7, Application US/10305347A
; Publication No. US20030143603A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo-Komar, J111
; APPLICANT: Berle Scalich
; TITLE OF INVENTION: ANTI-TNF ANTIBODIES, COMPOSITIONS, METHODS AND USES
; FILE REFERENCE: CENS005
; CURRENT APPLICATION NUMBER: US/10/305,347A
; CURRENT FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver 3.0
; SEQ ID NO 7
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-305-347A-7

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Best Local Similarity 100.0%; Score 65; DB 14; Length 115;
Matches 65; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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| Db | 36 | WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY | 95 |
| Qy | 96 | CARDR 100 | |
| Db | 96 | CARDR 100 | |

RESULT 2
US-10-194-975-24
; Sequence 24, Application US/10194975
; Publication No. US20030039649A1
; GENERAL INFORMATION:
; APPLICANT: Foote, Jefferson
; TITLE OF INVENTION: Super Humanized Antibodies
; FILE REFERENCE: 501231.01
; CURRENT APPLICATION NUMBER: US/10/194,975
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/305,111
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-194-975-24

Query Match
Best Local Similarity 100.0%; Score 63; DB 14; Length 98;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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| Qy | 36 | WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY | 95 |
| Db | 36 | WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY | 95 |
| Qy | 96 | CAR 98 | |
| Db | 96 | CAR 98 | |

RESULT 3
US-10-308-817-64
; Sequence 64, Application US/10308817
; Publication No. US20030219861A1
; GENERAL INFORMATION:
; APPLICANT: Roche, Russell
; APPLICANT: Wu, Dayang
; TITLE OF INVENTION: HYBRID ANTIBODIES
; FILE REFERENCE: 1087-37
; CURRENT APPLICATION NUMBER: US/10/308,817
; CURRENT FILING DATE: 2002-12-03
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 98
; TYPE: PRT
; ORGANISM: human
US-10-308-817-64

Query Match
Best Local Similarity 100.0%; Score 63; DB 15; Length 98;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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| Db | 36 | WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY | 95 |
| Qy | 96 | CAR 98 | |
| Db | 96 | CAR 98 | |

RESULT 4
US-10-032-037B-74
; Sequence 74, Application US/10032037B
; Publication No. US2004001822A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/44
; CURRENT APPLICATION NUMBER: US/10/032,037B
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258,948
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 74
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-032-037B-74

Query Match
Best Local Similarity 100.0%; Score 63; DB 15; Length 98;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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|----|----|---|----|
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| Db | 36 | WVRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQNNSLRAEDTAVYY | 95 |
| Qy | 96 | CAR 98 | |
| Db | 96 | CAR 98 | |

RESULT 5

US-10-032-037B-75
; Sequence 75, Application US/10032037B
; Publication No. US20040001822A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPTIOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/44
; CURRENT APPLICATION NUMBER: US/10/032,037B
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258,948
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 75
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-032-037B-75

Query Match 54.8%; Score 63; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2.4e-50;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
DB 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95

QY 96 CAR 98
DB 96 CAR 98

RESULT 6

US-10-032-037B-76
; Sequence 76, Application US/10032037B
; Publication No. US20040001822A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPTIOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/44
; CURRENT APPLICATION NUMBER: US/10/032,037B
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258,948
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 76
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-032-037B-76

Query Match 54.8%; Score 63; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2.4e-50;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
DB 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95

QY 96 CAR 98
DB 96 CAR 98

RESULT 7

US-10-029-988B-74
; Sequence 74, Application US/10029988B

Publication No. US20040001839A1

; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPTIOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/46
; CURRENT APPLICATION NUMBER: US/10/029,988B
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258,948
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 74
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-029-988B-74

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Best Local Similarity 100.0%; Pred. No. 2.4e-50;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
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QY 96 CAR 98
DB 96 CAR 98

RESULT 8

US-10-029-988B-75
; Sequence 75, Application US/10029988B
; Publication No. US20040001839A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPTIOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/46
; CURRENT APPLICATION NUMBER: US/10/029,988B
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258,948
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 75
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-029-988B-75

Query Match 54.8%; Score 63; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2.4e-50;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
DB 36 WVRQAPGKGLWVAIVSYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95

QY 96 CAR 98
DB 96 CAR 98

RESULT 9

US-10-029-988B-76
; Sequence 76, Application US/10029988B
; Publication No. US20040001839A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPTIOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/46
; CURRENT APPLICATION NUMBER: US/10/029,988B
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258,948
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 76
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-029-988B-76

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FILE REFERENCE: 10793/45
CURRENT APPLICATION NUMBER: US/10/029,988B
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 2000-12-29
NUMBER OF SEQ ID NOS: 204
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO: 76
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-029-988B-76

Query Match
Best Local Similarity 100.0%; Score 63; DB 15; Length 98;
Pred. No. 2,4e-50; Mismatches 0; Indels 0; Gaps 0;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLMWAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
DB 36 WVRQAPGKGLMWAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
QY 96 CAR 98
DB 96 CAR 98

RESULT 10
US-10-032-423A-74
Sequence 74, Application US/10032423A
Publication No. US20040002450A1
GENERAL INFORMATION:
APPLICANT: Bio-Technology General Corp.
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
FILE REFERENCE: 10793/45
CURRENT APPLICATION NUMBER: US/10/032,423A
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 12/29/2000
NUMBER OF SEQ ID NOS: 204
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO: 74
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-032-423A-74

Query Match
Best Local Similarity 100.0%; Score 63; DB 15; Length 98;
Pred. No. 2,4e-50; Mismatches 0; Indels 0; Gaps 0;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLMWAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
DB 36 WVRQAPGKGLMWAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
QY 96 CAR 98
DB 96 CAR 98

RESULT 11
US-10-032-423A-75
Sequence 75, Application US/10032423A
Publication No. US20040002450A1
GENERAL INFORMATION:
APPLICANT: Bio-Technology General Corp.
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
FILE REFERENCE: 10793/45
CURRENT APPLICATION NUMBER: US/10/032,423A
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 12/29/2000
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NUMBER OF SEQ ID NOS: 204
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO: 75
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-032-423A-75

Query Match
Best Local Similarity 100.0%; Score 63; DB 15; Length 98;
Pred. No. 2,4e-50; Mismatches 0; Indels 0; Gaps 0;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLMWAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
DB 36 WVRQAPGKGLMWAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
QY 96 CAR 98
DB 96 CAR 98

RESULT 12
US-10-032-423A-76
Sequence 76, Application US/10032423A
Publication No. US20040002450A1
GENERAL INFORMATION:
APPLICANT: Bio-Technology General Corp.
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
FILE REFERENCE: 10793/45
CURRENT APPLICATION NUMBER: US/10/032,423A
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 12/29/2000
NUMBER OF SEQ ID NOS: 204
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO: 76
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-032-423A-76

Query Match
Best Local Similarity 100.0%; Score 63; DB 15; Length 98;
Pred. No. 2,4e-50; Mismatches 0; Indels 0; Gaps 0;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WVRQAPGKGLMWAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
DB 36 WVRQAPGKGLMWAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95
QY 96 CAR 98
DB 96 CAR 98

RESULT 13
US-10-194-975-23
Sequence 23, Application US/10194975
Publication No. US20030039649A1
GENERAL INFORMATION:
APPLICANT: Foote, Jefferson
TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 122
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 23
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
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US-10-194-975-23

Query Match 53.9%; Score 62; DB 14; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db

Cy

36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95

95

Db

Cy

96 CA 97

96 CA 97

RESULT 14
US-10-194-975-25
Sequence 25, Application US/10194975
Publication No. US20030039649A1
GENERAL INFORMATION:
APPLICANT: Foote, Jefferson
TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 122
SOFTWARE: PatentIn version 3.1
SEQ ID NO 25
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-194-975-25

Query Match 53.9%; Score 62; DB 14; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db

Cy

96 CA 97

96 CA 97

RESULT 15
US-10-308-817-63
Sequence 63, Application US/10308817
Publication No. US20030219861A1
GENERAL INFORMATION:
APPLICANT: Rother, Russell
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
CURRENT FILING DATE: 2002-12-03
NUMBER OF SEQ ID NOS: 195
SOFTWARE: PatentIn version 3.1
SEQ ID NO 63
LENGTH: 98
TYPE: PRT
ORGANISM: human
US-10-308-817-63

Query Match 53.9%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db

Cy

96 CA 97

96 CA 97

RESULT 16
US-10-308-817-65
Sequence 65, Application US/10308817
Publication No. US20030219861A1
GENERAL INFORMATION:
APPLICANT: Rother, Russell
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
CURRENT FILING DATE: 2002-12-03
NUMBER OF SEQ ID NOS: 195
SOFTWARE: PatentIn version 3.1
SEQ ID NO 65
LENGTH: 98
TYPE: PRT
ORGANISM: human
US-10-308-817-65

Query Match 53.9%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db

Cy

96 CA 97

96 CA 97

RESULT 17
US-10-032-037B-80
Sequence 80, Application US/10032037B
Publication No. US2004001822A1
GENERAL INFORMATION:
APPLICANT: Bio-Technology General Corp.
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
FILE REFERENCE: 10793/44
CURRENT APPLICATION NUMBER: US/10/032,037B
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 2000-12-29
NUMBER OF SEQ ID NOS: 204
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 80
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-032-037B-80

Db

36 WVRQAPGKLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYY 95

Cy

96 CA 97

96 CA 97

RESULT 16
US-10-308-817-65
Sequence 65, Application US/10308817
Publication No. US20030219861A1
GENERAL INFORMATION:
APPLICANT: Rother, Russell
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
CURRENT FILING DATE: 2002-12-03
NUMBER OF SEQ ID NOS: 195
SOFTWARE: PatentIn version 3.1
SEQ ID NO 65
LENGTH: 98
TYPE: PRT
ORGANISM: human
US-10-308-817-65

Query Match 53.9%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db

96 CA 97

96 CA 97

RESULT 17
US-10-032-037B-80
Sequence 80, Application US/10032037B
Publication No. US2004001822A1
GENERAL INFORMATION:
APPLICANT: Bio-Technology General Corp.
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
FILE REFERENCE: 10793/44
CURRENT APPLICATION NUMBER: US/10/032,037B
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 2000-12-29
NUMBER OF SEQ ID NOS: 204
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 80
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-032-037B-80

Db

96 CA 97

96 CA 97

Query Match 53.9%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db

96 CA 97

96 CA 97

RESULT 16
US-10-308-817-65
Sequence 65, Application US/10308817
Publication No. US20030219861A1
GENERAL INFORMATION:
APPLICANT: Rother, Russell
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
CURRENT FILING DATE: 2002-12-03
NUMBER OF SEQ ID NOS: 195
SOFTWARE: PatentIn version 3.1
SEQ ID NO 65
LENGTH: 98
TYPE: PRT
ORGANISM: human
US-10-308-817-65

Db

96 CA 97

96 CA 97

Query Match 53.9%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db

96 CA 97

96 CA 97

RESULT 17
US-10-032-037B-80
Sequence 80, Application US/10032037B
Publication No. US2004001822A1
GENERAL INFORMATION:
APPLICANT: Bio-Technology General Corp.
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
FILE REFERENCE: 10793/44
CURRENT APPLICATION NUMBER: US/10/032,037B
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 2000-12-29
NUMBER OF SEQ ID NOS: 204
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 80
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-032-037B-80

Db

96 CA 97

96 CA 97

Query Match 53.9%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db

96 CA 97

96 CA 97

RESULT 16
US-10-308-817-65
Sequence 65, Application US/10308817
Publication No. US20030219861A1
GENERAL INFORMATION:
APPLICANT: Rother, Russell
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
CURRENT FILING DATE: 2002-12-03
NUMBER OF SEQ ID NOS: 195
SOFTWARE: PatentIn version 3.1
SEQ ID NO 65
LENGTH: 98
TYPE: PRT
ORGANISM: human
US-10-308-817-65

Db

96 CA 97

96 CA 97

Query Match 53.9%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db

96 CA 97

96 CA 97

RESULT 18
US-10-029-988B-80
; Sequence 80, Application US/10029988B
; Publication No. US20040001839A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/46
; CURRENT APPLICATION NUMBER: US/10/029,988B
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258,948
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 80
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-029-988B-80

Query Match
Best Local Similarity 100.0%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQMSLRADTAIVYY 95
DB 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQMSLRADTAIVYY 95

QY 96 CA 97
DB 96 CA 97

RESULT 19
US-10-032-423A-80
; Sequence 80, Application US/10032423A
; Publication No. US20040002450A1
; GENERAL INFORMATION:
; APPLICANT: Bio-Technology General Corp.
; TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
; FILE REFERENCE: 10793/45
; CURRENT APPLICATION NUMBER: US/10/032,423A
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/258,948
; PRIOR FILING DATE: 12/29/2000
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 80
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-032-423A-80

Query Match
Best Local Similarity 100.0%; Score 62; DB 15; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQMSLRADTAIVYY 95
DB 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQMSLRADTAIVYY 95
QY 96 CA 97
DB 96 CA 97

RESULT 20
US-09-791-153A-63
; Sequence 63, Application US/09791153A
; Publication No. US20030103978A1
; GENERAL INFORMATION:

APPLICANT: Deshpande, Rajendra
; APPLICANT: Hitez, Anna
; APPLICANT: Boyle, William
; APPLICANT: Sullivan, John
; TITLE OF INVENTION: SELECTIVE BINDING AGENTS OF OSTEOPROTEGERIN BINDING PROTEIN
; FILE REFERENCE: A-633A
; CURRENT APPLICATION NUMBER: US/09/791,153A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/511,139
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 154
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 63
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-153A-63

Query Match
Best Local Similarity 100.0%; Score 62; DB 10; Length 113;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 62; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQMSLRADTAIVYY 95
DB 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQMSLRADTAIVYY 95

QY 96 CA 97
DB 96 CA 97

RESULT 21
US-10-078-958-7
; Sequence 7, Application US/10078958
; Publication No. US20030070185A1
; GENERAL INFORMATION:
; APPLICANT: JAKOBOVITS, AYA
; APPLICANT: KUCHERLAPATTI, RAJU
; APPLICANT: KLAPHOLZ, SUSAN
; APPLICANT: MENDEZ, MICHAEL J.
; APPLICANT: GREEN, LARRY
; TITLE OF INVENTION: TRANSGENIC MAMMALS HAVING HUMAN Ig LOCI INCLUDING
; TITLE OF INVENTION: PLURAL Vb AND Vb REGIONS AND ANTIBODIES PRODUCED
; FILE REFERENCE: CELL 4.18 CON
; CURRENT APPLICATION NUMBER: US/10/078,958
; CURRENT FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 08/759,620
; PRIOR FILING DATE: 1996-12-03
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 83
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (127)
; OTHER INFORMATION: Variable amino acid
US-10-078-958-7

Query Match
Best Local Similarity 100.0%; Score 61; DB 14; Length 83;
Best Local Similarity 100.0%; Pred. No. 1.4e-48;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQMSLRADTAIVYYCA 97
DB 23 WYRQAPGKGLWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQMSLRADTAIVYYCA 82
QY 98 R 98
DB 83 R 83

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RESULT 22
US-10-194-975-26
; Sequence 26, Application US/10194975
; Publication No. US20030036499A1
; GENERAL INFORMATION:
; APPLICANT: Foote, Jefferson
; TITLE OF INVENTION: Super Humanized Antibodies
; FILE REFERENCE: 501231.01
; CURRENT APPLICATION NUMBER: US/10/194,975
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/305,111
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-194-975-26

Query Match          40.0%; Score 46; DB 14; Length 98;
Best Local Similarity 100.0%; Pred. No. 1e-34;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQKNSLRADTAIVYYCAR 98
Db 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQKNSLRADTAIVYYCAR 98

RESULT 23
US-10-041-860-4
; Sequence 4, Application US/10041860
; Publication No. US20030157109A1
; GENERAL INFORMATION:
; APPLICANT: Corvalan, Jose R.F.
; APPLICANT: Jia, Xiao-Chi
; APPLICANT: Feng, Xiao
; APPLICANT: Yang, Xiao-Dong
; APPLICANT: Chen, Francine
; APPLICANT: Gazit, Gadi
; APPLICANT: Weber, Richard
; APPLICANT: Bezabeh, Binyam
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO PDGFR AND USES
; FILE REFERENCE: ABGENIX.051A
; CURRENT APPLICATION NUMBER: US/10/041,860
; CURRENT FILING DATE: 2002-01-07
; NUMBER OF SEQ ID NOS: 377
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-041-860-4

Query Match          40.0%; Score 46; DB 14; Length 98;
Best Local Similarity 100.0%; Pred. No. 1e-34;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQKNSLRADTAIVYYCAR 98
Db 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQKNSLRADTAIVYYCAR 98

RESULT 24
US-10-041-860-283
; Sequence 283, Application US/10041860
; Publication No. US20030157109A1
; GENERAL INFORMATION:
; APPLICANT: Corvalan, Jose R.F.
; APPLICANT: Jia, Xiao-Chi
; APPLICANT: Feng, Xiao
```

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; APPLICANT: Yang, Xiao-Dong
; APPLICANT: Chen, Francine
; APPLICANT: Gazit, Gadi
; APPLICANT: Weber, Richard
; APPLICANT: Bezabeh, Binyam
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO PDGFR AND USES
; FILE REFERENCE: ABGENIX.051A
; CURRENT APPLICATION NUMBER: US/10/041,860
; CURRENT FILING DATE: 2002-01-07
; NUMBER OF SEQ ID NOS: 377
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 283
; LENGTH: 98
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-041-860-283

Query Match          40.0%; Score 46; DB 14; Length 98;
Best Local Similarity 100.0%; Pred. No. 1e-34;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQKNSLRADTAIVYYCAR 98
Db 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQKNSLRADTAIVYYCAR 98

RESULT 25
US-10-041-860-284
; Sequence 284, Application US/10041860
; Publication No. US20030157109A1
; GENERAL INFORMATION:
; APPLICANT: Corvalan, Jose R.F.
; APPLICANT: Jia, Xiao-Chi
; APPLICANT: Feng, Xiao
; APPLICANT: Yang, Xiao-Dong
; APPLICANT: Chen, Francine
; APPLICANT: Gazit, Gadi
; APPLICANT: Weber, Richard
; APPLICANT: Bezabeh, Binyam
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO PDGFR AND USES
; FILE REFERENCE: ABGENIX.051A
; CURRENT APPLICATION NUMBER: US/10/041,860
; CURRENT FILING DATE: 2002-01-07
; NUMBER OF SEQ ID NOS: 377
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 284
; LENGTH: 98
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-041-860-284

Query Match          40.0%; Score 46; DB 14; Length 98;
Best Local Similarity 100.0%; Pred. No. 1e-34;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQKNSLRADTAIVYYCAR 98
Db 53 YDGSNKYYADSVKGRFTISRDNKNTLYLQKNSLRADTAIVYYCAR 98

Search completed: March 15, 2004, 07:40:55
Job time : 33 secs
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CM protein - protein search, using sw model

Run on: March 15, 2004, 07:42:10 ; Search time 34 Seconds

(without alignments)
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Title: US-09-620-955b-4

Perfect score: 109

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Gapop 60.0, Gapext 60.0

Searched: 809742 seqs, 21153259 residues

Word size: 0

Total number of hits satisfying chosen parameters: 332758

Minimum DB seq length: 0

Maximum DB seq length: 109

Post-processing: Listing first 100 summaries

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Published Applications AA:*

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17: /cgn2_6/ptodata/1/pubppaa/US60_NEW_PUB.pep:*

18: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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|------------|-------|-------------|--------|----|-------------------|
| 1 | 28 | 25.7 | 90 | 14 | US-10-125-687-27 |
| 2 | 28 | 25.7 | 99 | 15 | US-10-308-817-99 |
| 3 | 28 | 25.7 | 99 | 15 | US-10-308-817-101 |
| 4 | 26 | 23.9 | 104 | 14 | US-10-127-890-153 |
| 5 | 26 | 23.9 | 104 | 15 | US-10-340-189-17 |
| 6 | 26 | 23.9 | 104 | 15 | US-10-325-926-17 |
| 7 | 23 | 21.1 | 103 | 14 | US-10-026-925-98 |
| 8 | 22 | 20.2 | 22 | 10 | US-09-563-222-94 |
| 9 | 21 | 19.3 | 50 | 9 | US-09-863-693-14 |
| 10 | 21 | 19.3 | 50 | 9 | US-09-863-693-15 |
| 11 | 21 | 19.3 | 50 | 9 | US-09-863-693-16 |
| 12 | 21 | 19.3 | 50 | 9 | US-09-863-693-17 |
| 13 | 21 | 19.3 | 50 | 9 | US-09-863-693-18 |
| 14 | 21 | 19.3 | 50 | 9 | US-09-863-693-19 |
| 15 | 21 | 19.3 | 50 | 9 | US-09-863-693-20 |

| | | | | | | |
|----|----|------|-----|----|---------------------|--------------------|
| 16 | 16 | 19.3 | 50 | 9 | US-09-863-693-21 | Sequence 21, Appl |
| 17 | 17 | 19.3 | 50 | 11 | US-09-863-693-22 | Sequence 22, Appl |
| 18 | 21 | 19.3 | 50 | 11 | US-09-373-403-14 | Sequence 14, Appl |
| 19 | 21 | 19.3 | 50 | 11 | US-09-373-403-15 | Sequence 15, Appl |
| 20 | 21 | 19.3 | 50 | 11 | US-09-373-403-16 | Sequence 16, Appl |
| 21 | 21 | 19.3 | 50 | 11 | US-09-373-403-17 | Sequence 17, Appl |
| 22 | 21 | 19.3 | 50 | 11 | US-09-373-403-18 | Sequence 18, Appl |
| 23 | 21 | 19.3 | 50 | 11 | US-09-373-403-19 | Sequence 19, Appl |
| 24 | 21 | 19.3 | 50 | 11 | US-09-373-403-20 | Sequence 20, Appl |
| 25 | 21 | 19.3 | 50 | 11 | US-09-373-403-21 | Sequence 21, Appl |
| 26 | 21 | 19.3 | 50 | 11 | US-09-373-403-22 | Sequence 22, Appl |
| 27 | 21 | 19.3 | 50 | 11 | US-10-143-437-14 | Sequence 14, Appl |
| 28 | 21 | 19.3 | 50 | 14 | US-10-143-437-15 | Sequence 15, Appl |
| 29 | 21 | 19.3 | 50 | 14 | US-10-143-437-16 | Sequence 16, Appl |
| 30 | 21 | 19.3 | 50 | 14 | US-10-143-437-17 | Sequence 17, Appl |
| 31 | 21 | 19.3 | 50 | 14 | US-10-143-437-18 | Sequence 18, Appl |
| 32 | 21 | 19.3 | 50 | 14 | US-10-143-437-19 | Sequence 19, Appl |
| 33 | 33 | 19.3 | 50 | 14 | US-10-143-437-20 | Sequence 20, Appl |
| 34 | 21 | 19.3 | 50 | 14 | US-10-143-437-21 | Sequence 21, Appl |
| 35 | 21 | 19.3 | 50 | 14 | US-10-143-437-22 | Sequence 22, Appl |
| 36 | 21 | 19.3 | 82 | 9 | US-09-925-228-1447 | Sequence 1047, Ap |
| 37 | 21 | 19.3 | 92 | 10 | US-09-925-228-1047 | Sequence 1047, Ap |
| 38 | 21 | 19.3 | 97 | 9 | US-09-864-761-39459 | Sequence 39459, A |
| 39 | 20 | 18.3 | 99 | 15 | US-10-308-817-100 | Sequence 100, Appl |
| 40 | 20 | 18.3 | 107 | 10 | US-09-913-238-67 | Sequence 67, Appl |
| 41 | 19 | 17.4 | 32 | 10 | US-09-563-222-96 | Sequence 96, Appl |
| 42 | 19 | 17.4 | 99 | 15 | US-10-308-817-98 | Sequence 98, Appl |
| 43 | 19 | 17.4 | 103 | 10 | US-09-913-238-3 | Sequence 3, Appl |
| 44 | 17 | 15.6 | 104 | 10 | US-09-846-788-59 | Sequence 69, Appl |
| 45 | 17 | 15.6 | 108 | 10 | US-09-846-788-58 | Sequence 68, Appl |
| 46 | 15 | 13.8 | 99 | 15 | US-10-308-817-97 | Sequence 97, Appl |
| 47 | 12 | 11.0 | 82 | 14 | US-10-105-545-32 | Sequence 32, Appl |
| 48 | 12 | 11.0 | 97 | 15 | US-10-264-049-4296 | Sequence 4296, Ap |
| 49 | 12 | 11.0 | 99 | 15 | US-10-308-817-93 | Sequence 93, Appl |
| 50 | 12 | 11.0 | 103 | 15 | US-10-340-189-3 | Sequence 3, Appl |
| 51 | 12 | 11.0 | 103 | 15 | US-10-340-189-3 | Sequence 3, Appl |
| 52 | 12 | 11.0 | 104 | 10 | US-09-846-788-49 | Sequence 49, Appl |
| 53 | 12 | 11.0 | 107 | 10 | US-09-913-238-68 | Sequence 68, Appl |
| 54 | 11 | 10.1 | 75 | 14 | US-10-187-958-35 | Sequence 35, Appl |
| 55 | 11 | 10.1 | 76 | 9 | US-09-187-693-36 | Sequence 36, Appl |
| 56 | 11 | 10.1 | 76 | 14 | US-10-078-958-10 | Sequence 10, Appl |
| 57 | 11 | 10.1 | 88 | 9 | US-09-905-243-31 | Sequence 31, Appl |
| 58 | 11 | 10.1 | 90 | 9 | US-09-864-761-34739 | Sequence 34739, A |
| 59 | 11 | 10.1 | 95 | 9 | US-09-158-120A-19 | Sequence 19, Appl |
| 60 | 11 | 10.1 | 95 | 9 | US-09-158-120A-19 | Sequence 19, Appl |
| 61 | 11 | 10.1 | 95 | 14 | US-10-194-975-56 | Sequence 56, Appl |
| 62 | 11 | 10.1 | 95 | 14 | US-10-194-975-57 | Sequence 57, Appl |
| 63 | 11 | 10.1 | 95 | 14 | US-10-194-975-53 | Sequence 53, Appl |
| 64 | 11 | 10.1 | 95 | 14 | US-10-194-975-64 | Sequence 64, Appl |
| 65 | 11 | 10.1 | 95 | 14 | US-10-194-975-72 | Sequence 72, Appl |
| 66 | 11 | 10.1 | 95 | 15 | US-10-308-817-3 | Sequence 3, Appl |
| 67 | 11 | 10.1 | 95 | 15 | US-10-308-817-4 | Sequence 4, Appl |
| 68 | 11 | 10.1 | 95 | 15 | US-10-308-817-10 | Sequence 10, Appl |
| 69 | 11 | 10.1 | 95 | 15 | US-10-308-817-11 | Sequence 11, Appl |
| 70 | 11 | 10.1 | 95 | 15 | US-10-308-817-19 | Sequence 19, Appl |
| 71 | 11 | 10.1 | 96 | 14 | US-10-127-890-158 | Sequence 158, Appl |
| 72 | 11 | 10.1 | 96 | 15 | US-10-340-189-22 | Sequence 22, Appl |
| 73 | 11 | 10.1 | 96 | 15 | US-10-325-686-22 | Sequence 22, Appl |
| 74 | 11 | 10.1 | 104 | 14 | US-10-078-958-28 | Sequence 28, Appl |
| 75 | 11 | 10.1 | 105 | 9 | US-09-187-693-44 | Sequence 44, Appl |
| 76 | 11 | 10.1 | 105 | 9 | US-09-187-693-54 | Sequence 54, Appl |
| 77 | 11 | 10.1 | 106 | 9 | US-09-796-848A-1 | Sequence 1, Appl |
| 78 | 11 | 10.1 | 106 | 9 | US-09-796-848A-3 | Sequence 3, Appl |
| 79 | 11 | 10.1 | 106 | 9 | US-09-796-848A-35 | Sequence 35, Appl |
| 80 | 11 | 10.1 | 106 | 9 | US-09-771-415-1 | Sequence 1, Appl |
| 81 | 11 | 10.1 | 106 | 9 | US-09-771-415-17 | Sequence 17, Appl |
| 82 | 11 | 10.1 | 106 | 9 | US-09-771-415-21 | Sequence 21, Appl |
| 83 | 11 | 10.1 | 106 | 9 | US-09-771-415-23 | Sequence 23, Appl |
| 84 | 11 | 10.1 | 106 | 9 | US-09-771-415-25 | Sequence 25, Appl |
| 85 | 11 | 10.1 | 106 | 9 | US-09-996-288-8 | Sequence 8, Appl |
| 86 | 11 | 10.1 | 106 | 9 | US-09-996-288-11 | Sequence 11, Appl |
| 87 | 11 | 10.1 | 106 | 9 | US-09-996-288-13 | Sequence 13, Appl |
| 88 | 11 | 10.1 | 106 | 9 | US-09-996-288-13 | Sequence 13, Appl |

89 11 10.1 106 9 US-09-996-288-21 Sequence 21, Appl
90 11 10.1 106 9 US-09-996-288-26 Sequence 26, Appl
91 11 10.1 106 9 US-09-996-288-30 Sequence 30, Appl
92 11 10.1 106 9 US-09-996-288-34 Sequence 34, Appl
93 11 10.1 106 9 US-09-996-288-38 Sequence 38, Appl
94 11 10.1 106 9 US-09-996-288-42 Sequence 42, Appl
95 11 10.1 106 9 US-09-996-288-46 Sequence 46, Appl
96 11 10.1 106 9 US-09-996-288-50 Sequence 50, Appl
97 11 10.1 106 9 US-09-996-288-52 Sequence 52, Appl
98 11 10.1 106 9 US-09-996-288-54 Sequence 54, Appl
99 11 10.1 106 9 US-09-996-288-56 Sequence 56, Appl
100 11 10.1 106 9 US-09-996-288-57 Sequence 57, Appl

ALIGNMENTS

RESULT 1
US-10-125-687-27
Sequence 27, Application US/10125687
Publication No. US20030054407A1
GENERAL INFORMATION:
APPLICANT: LUC, Peter
TITLE OF INVENTION: STRUCTURE-BASED CONSTRUCTION OF HUMAN ANTIBODY LIBRARY
FILE REFERENCE: 26050-705
CURRENT APPLICATION NUMBER: US/10/125,687
CURRENT FILING DATE: 2002-04-17
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn version 3.1
SEQ ID NO 27
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapiens
US-10-125-687-27

Query Match 25.7%; Score 28; DB 14; Length 90;
Best Local Similarity 100.0%; Pred. No. 2,4e-19;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 OSALTQPAVSQSGSPGQSIITISCTGTSSD 28
Db 1 OSALTQPAVSQSGSPGQSIITISCTGTSSD 28

RESULT 2
US-10-308-817-99
Sequence 99, Application US/10308817
Publication No. US20030219861A1
GENERAL INFORMATION:
APPLICANT: Rother, Russell
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
CURRENT FILING DATE: 2002-12-03
NUMBER OF SEQ ID NOS: 195
SOFTWARE: PatentIn version 3.1
SEQ ID NO 99
LENGTH: 99
TYPE: PRT
ORGANISM: human
US-10-308-817-99

Query Match 25.7%; Score 28; DB 15; Length 99;
Best Local Similarity 100.0%; Pred. No. 2,4e-19;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 OSALTQPAVSQSGSPGQSIITISCTGTSSD 28
Db 1 OSALTQPAVSQSGSPGQSIITISCTGTSSD 28

RESULT 3

US-10-308-817-101
Sequence 101, Application US/10308817
Publication No. US20030219861A1
GENERAL INFORMATION:
APPLICANT: Rother, Russell
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
CURRENT FILING DATE: 2002-12-03
NUMBER OF SEQ ID NOS: 195
SOFTWARE: PatentIn version 3.1
SEQ ID NO 101
LENGTH: 99
TYPE: PRT
ORGANISM: human
US-10-308-817-101

Query Match 25.7%; Score 28; DB 15; Length 99;
Best Local Similarity 100.0%; Pred. No. 2,4e-19;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 OSALTQPAVSQSGSPGQSIITISCTGTSSD 28
Db 1 OSALTQPAVSQSGSPGQSIITISCTGTSSD 28

RESULT 4
US-10-127-890-153
Sequence 153, Application US/10127890
Publication No. US20030166196A1
GENERAL INFORMATION:

APPLICANT: Better, Marc D.
Carroll, Stephen F.
Studnicka, Gary M.
TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
Proteins
NUMBER OF SEQUENCES: 173
CORRESPONDENCE ADDRESSES:
ADDRESSEE: McAndrews, Held & Malloy, Ltd.
STREET: 500 West Madison Street, 34th floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60661
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/127,890
FILING DATE: 23-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/646,360
FILING DATE: 13-MAY-1996
APPLICATION NUMBER: PCT/US94/05348
FILING DATE: 12-MAY-1994
APPLICATION NUMBER: US 08/064,691
FILING DATE: 12-MAY-1993
APPLICATION NUMBER: US 07/988,430
FILING DATE: 09-DEC-1992
APPLICATION NUMBER: US 07/901,707
FILING DATE: 19-JUN-1992
APPLICATION NUMBER: US 07/787,567
FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: McNicholas, Janet M.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 200-70.P4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/707-8889

TELEFAX: 312/707-9155
TELEX: 650 388-1248
INFORMATION FOR SEQ ID NO: 153:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 153:
US-10-127-890-153

Query Match 23.9%: Score 26; DB 14; Length 104;
Best Local Similarity 100.0%; Pred. No. 2.1e-17;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SALTQPAVSAGSPGQSIITISCTGTSS 27
DB 2 SALTQPAVSAGSPGQSIITISCTGTSS 27

RESULT 5
US-10-340-189-17
Sequence 17, Application US/10340189
Publication No. US20030228207A1
GENERAL INFORMATION:
APPLICANT: Studnicka, Gary M.
TITLE OF INVENTION: Modified Antibody Variable Domains
NUMBER OF SEQUENCES: 89
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mcandrews, Held & Malloy, Ltd.
STREET: 500 W. Madison Street, 34th Floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60661

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/340,189
FILING DATE: 10-Jan-2003
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/245,202A
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/082,842
FILING DATE: 23-JUN-1993
APPLICATION NUMBER: PCT/US92/10906
FILING DATE: 14-DEC-1992
APPLICATION NUMBER: US 07/808,464
FILING DATE: 13-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: McNicholas, Janet M.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 11023US07 / 200-71.P2.C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/707-8889
TELEFAX: 312/707-9155
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-10-340-189-17

Query Match 23.9%: Score 26; DB 15; Length 104;
Best Local Similarity 100.0%; Pred. No. 2.1e-17;

Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SALTQPAVSAGSPGQSIITISCTGTSS 27
DB 2 SALTQPAVSAGSPGQSIITISCTGTSS 27

RESULT 6
US-10-325-696-17
Sequence 17, Application US/10325696
Publication No. US20040005630A1
GENERAL INFORMATION:
APPLICANT: Studnicka, Gary M.
TITLE OF INVENTION: Modified Antibody Variable Domains
NUMBER OF SEQUENCES: 67
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mcandrews, Held & Malloy, Ltd.
STREET: 500 West Madison Street, 34th Floor
CITY: Chicago
STATE: IL
COUNTRY: United States of America
ZIP: 60661

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,696
FILING DATE: 18-Dec-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/097,980
FILING DATE: 16-JUN-1998
APPLICATION NUMBER: 08/107,669
FILING DATE: 13-AUG-1993
APPLICATION NUMBER: PCT/US92/10906
FILING DATE: 14-DEC-1992
APPLICATION NUMBER: US 07/808,464
FILING DATE: 13-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Janet M. McNicholas, Ph.D.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 11023US06/200-71.P1.C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/707-8889
TELEFAX: 312/707-9050
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-10-325-696-17

Query Match 23.9%: Score 26; DB 15; Length 104;
Best Local Similarity 100.0%; Pred. No. 2.1e-17;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SALTQPAVSAGSPGQSIITISCTGTSS 27
DB 2 SALTQPAVSAGSPGQSIITISCTGTSS 27

RESULT 7
US-10-026-325-98
Sequence 98, Application US/10026325
Publication No. US20030119056A1
GENERAL INFORMATION:
APPLICANT: LADNER, ROBERT C.
TITLE OF INVENTION: FOCUSED LIBRARIES OF GENETIC PACKAGES
FILE REFERENCE: DYAX/004

;; CURRENT APPLICATION NUMBER: US/10/026,925
;; CURRENT FILING DATE: 2002-03-28
;; NUMBER OF SEQ ID NOS: 99
;; SOFTWARE: Patent In Ver. 2.1
;; SEQ ID NO 98
;; LENGTH: 103
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: 2a2: JH2 Human
;; OTHER INFORMATION: lambda-chain gene with scifiers in place of CDRs
US-10-026-925-98

Query Match 21.1%; Score 23; DB 14; Length 103;
Best Local Similarity 100.0%; Pred. No. 1.6e-14;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QSALTQPASVSGSPGQSITISCT 23
DB 3 QSALTQPASVSGSPGQSITISCT 25

RESULT 8
US-09-563-222-94
; Sequence 94, Application US/09563222
; Publication No. US20030079253A1
; GENERAL INFORMATION:
; APPLICANT: Hiatt, Andrew
; APPLICANT: Hehn, Mich B.
; TITLE OF INVENTION: IMMUNOGLOBULIN BINDING PROTEIN ARRAYS IN
; TITLE OF INVENTION: EURAKIOTIC CELLS
; FILE REFERENCE: 310098.406
; CURRENT APPLICATION NUMBER: US/09/563,222
; CURRENT FILING DATE: 2000-05-02
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 94
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-563-222-94

Query Match 20.2%; Score 22; DB 10; Length 22;
Best Local Similarity 100.0%; Pred. No. 4.1e-14;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QSALTQPASVSGSPGQSITISCT 22
DB 1 QSALTQPASVSGSPGQSITISCT 22

RESULT 9
US-09-863-693-14
; Sequence 14, Application US/09863693
; Patent No. US20020062010A1
; GENERAL INFORMATION:
; APPLICANT: ARATHOON, R.
; CARTER, P.J.
; MERCHANT, A.M.
; PRESTA, L.G.
; TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
; TITLE OF INVENTION: HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible

;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Winpatin (Genentech)
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/863,693
;; FILING DATE: 23-May-2001
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 09/070,166
;; FILING DATE: <Unknown>
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Conley, Delandre L.
;; REGISTRATION NUMBER: 36,487
;; REFERENCE/DOCKET NUMBER: P1099R1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 650/225-2066
;; TELEFAX: 650/952-9881
;; INFORMATION FOR SEQ ID NO: 14:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 50 amino acids
;; TYPE: Amino Acid
;; TOPOLOGY: Linear
;; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-863-693-14

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQEDADYCCSS 92
DB 12 TASLTISGLQEDADYCCSS 32

RESULT 10
US-09-863-693-15
; Sequence 15, Application US/09863693
; Patent No. US20020062010A1
; GENERAL INFORMATION:
; APPLICANT: ARATHOON, R.
; CARTER, P.J.
; MERCHANT, A.M.
; PRESTA, L.G.
; TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
; TITLE OF INVENTION: HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/863,693
; FILING DATE: 23-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/070,166
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Conley, Delandre L.
; REGISTRATION NUMBER: 36,487
; REFERENCE/DOCKET NUMBER: P1099R1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-2066
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:

LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-863-693-15

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 11
US-09-863-693-16

Sequence 16, Application US/09863693
Patent No. US2002062010A1
GENERAL INFORMATION:

APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.

TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS

NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/863,693

FILING DATE: 23-May-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/070,166

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1099R1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 50 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-863-693-16

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 12
US-09-863-693-17
Sequence 17, Application US/09863693

Patent No. US2002062010A1
GENERAL INFORMATION:

APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.

TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS

NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/863,693

FILING DATE: 23-May-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/070,166

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1099R1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 17:

SEQUENCE CHARACTERISTICS:

LENGTH: 50 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-09-863-693-17

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 13
US-09-863-693-18

Sequence 18, Application US/09863693

Patent No. US2002062010A1

GENERAL INFORMATION:

APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.

TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS

NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-863-693-18

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCS 92
DB 12 TASLTISGLQAEDEADYCCS 32

RESULT 14
US-09-863-693-19
Sequence 19, Application US/09863693
Patent No. US2002062010A1
GENERAL INFORMATION:
APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-09-863-693-21

SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-09-863-693-19

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCS 92
DB 12 TASLTISGLQAEDEADYCCS 32

RESULT 15
US-09-863-693-20
Sequence 20, Application US/09863693
Patent No. US2002062010A1
GENERAL INFORMATION:
APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-09-863-693-20

Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCS 92
DB 12 TASLTISGLQAEDEADYCCS 32

RESULT 16
US-09-863-693-21

Sequence 21, Application US/09863693
Patent No. US20020062010A1
GENERAL INFORMATION:
APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delidre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-09-863-693-21
Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32
RESULT 17
US-09-863-693-22
Sequence 22, Application US/09863693
Patent No. US20020062010A1
GENERAL INFORMATION:
APPLICANT: ARATHOON, R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/863,693
FILING DATE: 23-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delidre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-863-693-22
Query Match 19.3%; Score 21; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32
RESULT 18
US-09-373-403-14
Sequence 14, Application US/09373403
Publication No. US20030207346A1
GENERAL INFORMATION:
APPLICANT: ARATHOON, W. R.
CARTER, P.J.
MERCHANT, A.M.
PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
FILE REFERENCE: P1099C1 a
CURRENT APPLICATION NUMBER: US/09/373,403
CURRENT FILING DATE: 1999-08-12
PRIOR APPLICATION NUMBER: US 08/850,058
PRIOR FILING DATE: 1997-05-02
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 14
LENGTH: 50
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Recombinant
US-09-373-403-14
Query Match 19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32
RESULT 19
US-09-373-403-15
Sequence 15, Application US/09373403
Publication No. US20030207346A1

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/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 15
/ LENGTH: 50
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-15

Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 20
US-09-373-403-16
/ Sequence 16, Application US/09373403
/ Publication No. US20030207346A1
/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 16
/ LENGTH: 50
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-16

Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 21
US-09-373-403-17
/ Sequence 17, Application US/09373403
/ Publication No. US20030207346A1
/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 17
/ LENGTH: 50
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-17

Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 22
US-09-373-403-18
/ Sequence 18, Application US/09373403
/ Publication No. US20030207346A1
/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 18
/ LENGTH: 50
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-18

Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 23
US-09-373-403-19
/ Sequence 19, Application US/09373403
/ Publication No. US20030207346A1
/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 19
/ LENGTH: 50
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-19

Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32
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/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 17
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/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-17

Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 22
US-09-373-403-18
/ Sequence 18, Application US/09373403
/ Publication No. US20030207346A1
/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 18
/ LENGTH: 50
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-18

Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32

RESULT 23
US-09-373-403-19
/ Sequence 19, Application US/09373403
/ Publication No. US20030207346A1
/ GENERAL INFORMATION:
/ APPLICANT: ARATHOON, W. R.
/ APPLICANT: CARTER, P.J.
/ APPLICANT: MERCHANT, A.M.
/ APPLICANT: PRESTA, L.G.
/ TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
/ TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
/ FILE REFERENCE: P1099c1 a
/ CURRENT APPLICATION NUMBER: US/09/373,403
/ CURRENT FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: US 08/850,058
/ PRIOR FILING DATE: 1997-05-02
/ NUMBER OF SEQ ID NOS: 26
/ SEQ ID NO 19
/ LENGTH: 50
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Recombinant
US-09-373-403-19

Query Match      19.3%; Score 21; DB 11; Length 50;
Best Local Similarity 100.0%; Pred. No. 7.6e-13;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 72 TASLTISGLQAEDEADYCCSS 92
Db 12 TASLTISGLQAEDEADYCCSS 32
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; PRIOR APPLICATION NUMBER: US 08/850,058
; PRIOR FILING DATE: 1997-05-02
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 19
; LENGTH: 50
; TYPE: PRP
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Recombinant
US-09-373-403-19

Query Match
Best Local Similarity 19.3%; Score 21; DB 11; Length 50;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCSS 92
DB 12 TASLTISGLQAEDEADYCCSS 32

RESULT 24
US-09-373-403-20
; Sequence 20, Application US/09373403
; Publication No. US20030207346A1
; GENERAL INFORMATION:
; APPLICANT: ARATHOON, W. R.
; APPLICANT: CARTER, P. J.
; APPLICANT: MERCHANT, A. M.
; APPLICANT: PRESTA, L. G.
; TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
; FILE REFERENCE: P1099C1 a
; CURRENT FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: US 08/850,058
; PRIOR FILING DATE: 1997-05-02
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 20
; LENGTH: 50
; TYPE: PRP
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Recombinant
; NAME/KEY: Unsure
; LOCATION: 9
; OTHER INFORMATION: Unknown amino acid
US-09-373-403-20

Query Match
Best Local Similarity 19.3%; Score 21; DB 11; Length 50;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCSS 92
DB 12 TASLTISGLQAEDEADYCCSS 32

RESULT 25
US-09-373-403-21
; Sequence 21, Application US/09373403
; Publication No. US20030207346A1
; GENERAL INFORMATION:
; APPLICANT: ARATHOON, W. R.
; APPLICANT: CARTER, P. J.
; APPLICANT: MERCHANT, A. M.
; APPLICANT: PRESTA, L. G.
; TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
; FILE REFERENCE: P1099C1 a
; CURRENT FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: US 08/850,058
; PRIOR FILING DATE: 1997-05-02
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; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 21
; LENGTH: 50
; TYPE: PRP
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Recombinant
US-09-373-403-21

Query Match
Best Local Similarity 19.3%; Score 21; DB 11; Length 50;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 72 TASLTISGLQAEDEADYCCSS 92
DB 12 TASLTISGLQAEDEADYCCSS 32

Search completed: March 15, 2004, 07:45:17
Job time : 35 secs
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OM protein - protein search, using sw model

Run on: March 15, 2004, 07:26:28 ; Search time 406 Seconds

(without alignments)
124.300 Million cell updates/sec

Title: US-09-620-955b-6

Perfect score: 1250

Sequence: 1 OVQOESGGGLVQPGSLRL.....CSFANSGPLFGGTRVTVL 239

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata/1/pubpa/US06_PUBCOMB.pep:*

3: /cgn2_6/ptodata/1/pubpa/US05_PUBCOMB.pep:*

4: /cgn2_6/ptodata/1/pubpa/US04_PUBCOMB.pep:*

5: /cgn2_6/ptodata/1/pubpa/US03_PUBCOMB.pep:*

6: /cgn2_6/ptodata/1/pubpa/US02_PUBCOMB.pep:*

7: /cgn2_6/ptodata/1/pubpa/US01_PUBCOMB.pep:*

8: /cgn2_6/ptodata/1/pubpa/US00_PUBCOMB.pep:*

9: /cgn2_6/ptodata/1/pubpa/US09_PUBCOMB.pep:*

10: /cgn2_6/ptodata/1/pubpa/US08_PUBCOMB.pep:*

11: /cgn2_6/ptodata/1/pubpa/US07_PUBCOMB.pep:*

12: /cgn2_6/ptodata/1/pubpa/US06_PUBCOMB.pep:*

13: /cgn2_6/ptodata/1/pubpa/US05_PUBCOMB.pep:*

14: /cgn2_6/ptodata/1/pubpa/US04_PUBCOMB.pep:*

15: /cgn2_6/ptodata/1/pubpa/US03_PUBCOMB.pep:*

16: /cgn2_6/ptodata/1/pubpa/US02_PUBCOMB.pep:*

17: /cgn2_6/ptodata/1/pubpa/US01_PUBCOMB.pep:*

18: /cgn2_6/ptodata/1/pubpa/US00_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|--------|-------------|--------|----|--------------------|
| 1 | 1110 | 88.8 | 254 | 10 | US-09-880-748-983 |
| 2 | 1106 | 88.5 | 256 | 10 | US-09-880-748-839 |
| 3 | 1097 | 87.8 | 252 | 10 | US-09-880-748-1627 |
| 4 | 1096 | 87.7 | 254 | 10 | US-09-880-748-981 |
| 5 | 1095.5 | 87.6 | 241 | 10 | US-09-880-748-2055 |
| 6 | 1093 | 87.4 | 252 | 10 | US-09-880-748-956 |
| 7 | 1089.5 | 87.2 | 251 | 10 | US-09-880-748-955 |
| 8 | 1089.5 | 87.1 | 251 | 10 | US-09-880-748-1317 |
| 9 | 1088.5 | 87.1 | 251 | 10 | US-09-880-748-1114 |
| 10 | 1084.5 | 86.8 | 253 | 10 | US-09-880-748-1003 |
| 11 | 1082.5 | 86.6 | 251 | 10 | US-09-880-748-1332 |
| 12 | 1079 | 86.3 | 254 | 10 | US-09-880-748-1701 |
| 13 | 1079 | 86.3 | 254 | 10 | US-09-880-748-1759 |
| 14 | 1078 | 86.2 | 256 | 10 | US-09-880-748-1352 |
| 15 | 1077.5 | 86.2 | 253 | 10 | US-09-880-748-989 |

| | | | | | | |
|----|--------|------|-----|----|--------------------|--------------------|
| 16 | 1077 | 86.2 | 254 | 10 | US-09-880-748-881 | Sequence 881, App |
| 17 | 1073.5 | 85.9 | 253 | 10 | US-09-880-748-1007 | Sequence 1007, App |
| 18 | 1072 | 85.8 | 244 | 10 | US-09-880-748-1910 | Sequence 1910, App |
| 19 | 1067 | 85.4 | 254 | 10 | US-09-880-748-9377 | Sequence 9377, App |
| 20 | 1065 | 85.2 | 240 | 10 | US-09-880-748-2047 | Sequence 2047, App |
| 21 | 1065 | 85.2 | 253 | 10 | US-09-880-748-1428 | Sequence 1428, App |
| 22 | 1064.5 | 85.2 | 254 | 10 | US-09-880-748-1449 | Sequence 1449, App |
| 23 | 1063 | 85.0 | 254 | 10 | US-09-880-748-1075 | Sequence 1075, App |
| 24 | 1062 | 85.0 | 254 | 10 | US-09-880-748-1735 | Sequence 1735, App |
| 25 | 1061.5 | 84.9 | 251 | 10 | US-09-880-748-1605 | Sequence 1605, App |
| 26 | 1061.5 | 84.9 | 253 | 10 | US-09-880-748-1337 | Sequence 1337, App |
| 27 | 1061 | 84.9 | 246 | 10 | US-09-880-748-1314 | Sequence 1314, App |
| 28 | 1061 | 84.9 | 254 | 10 | US-09-880-748-1573 | Sequence 1573, App |
| 29 | 1058 | 84.6 | 240 | 10 | US-09-880-748-1698 | Sequence 1698, App |
| 30 | 1057 | 84.6 | 252 | 10 | US-09-880-748-1431 | Sequence 1431, App |
| 31 | 1056.5 | 84.5 | 247 | 10 | US-09-880-748-1915 | Sequence 1915, App |
| 32 | 1056 | 84.5 | 252 | 10 | US-09-880-748-1690 | Sequence 1690, App |
| 33 | 1055 | 84.4 | 240 | 10 | US-09-880-748-1930 | Sequence 1930, App |
| 34 | 1055 | 84.4 | 246 | 10 | US-09-880-748-1324 | Sequence 1324, App |
| 35 | 1055 | 84.4 | 250 | 10 | US-09-880-748-883 | Sequence 883, App |
| 36 | 1053 | 84.2 | 246 | 10 | US-09-880-748-2077 | Sequence 2077, App |
| 37 | 1052.5 | 84.2 | 243 | 10 | US-09-880-748-995 | Sequence 995, App |
| 38 | 1052 | 84.2 | 252 | 10 | US-09-880-748-1634 | Sequence 1634, App |
| 39 | 1051 | 84.1 | 248 | 10 | US-09-880-748-1782 | Sequence 1782, App |
| 40 | 1050.5 | 84.0 | 247 | 10 | US-10-322-673-48 | Sequence 923, App |
| 41 | 1050.5 | 84.0 | 248 | 10 | US-09-880-748-1653 | Sequence 1653, App |
| 42 | 1049.5 | 84.0 | 251 | 10 | US-09-880-748-925 | Sequence 925, App |
| 43 | 1049.5 | 83.6 | 255 | 10 | US-09-880-748-1819 | Sequence 1819, App |
| 44 | 1045.5 | 83.6 | 248 | 10 | US-09-880-748-1404 | Sequence 1404, App |
| 45 | 1045 | 83.6 | 248 | 10 | US-09-880-748-1404 | Sequence 1404, App |

ALIGNMENTS

RESULT 1

US-09-880-748-983

Sequence 983, Application US/09880748

Publication No. US2003005937A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunoselectively Bind Blys

FILE REFERENCE: PFS23

CURRENT APPLICATION NUMBER: US/09/880,748

CURRENT FILING DATE: 2001-06-15

PRIOR APPLICATION NUMBER: 60/212,210

PRIOR FILING DATE: 2000-06-15

PRIOR APPLICATION NUMBER: 60/240,816

PRIOR FILING DATE: 2000-10-17

PRIOR APPLICATION NUMBER: 60/276,248

PRIOR FILING DATE: 2001-03-16

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR FILING DATE: 2001-03-21

PRIOR APPLICATION NUMBER: 60/293,499

PRIOR FILING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 3239

SOFTWARE: Patent Ver. 2.0

SEQ ID NO 983

LENGTH: 254

TYPE: PRT

ORGANISM: Homo sapiens

US-09-880-748-983

Query Match 88.8%; Score 1110; DB 10; Length 254;

Best Local Similarity 84.2%; Pred. No. 7.1e-73;

Matches 213; Conservative 14; Mismatches 12; Indels 14; Gaps 2;

QY 1 OVQOESGGGLVQPGSLRLSCAASGFTSSYMSVRQAPKGLVAVISYDSNKRY 60

DB 1 OVQOESGGGLVQPGSLRLSCAASGFTSSYMSVRQAPKGLVAVISYDSNKRY 60

QY 61 ADVKGRFTISRNSKNTLYIQMNSLRPEDTAVYVYCARP-----YFDLWGR 107

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Db 61 ADVKGRFTISRDNKNTLYLQMSLRADTAIVYCARBEGFDILTGYGPGYFDYWGK 120
Qy 108 GTLVVSGGGGGGGGGGGGGGGGGGSGGALTQPAVSQSGQSTTTTCTGTSSDGAIVYVSM 167
Db 121 GTMTVSSGGGGGGGGGGGGGGGGGSGGQSVLTQPAVSQSGQSTTTTCTGTSSDVGIVYVSM 180
Qy 168 YQCYPGKAPKLLIYDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYVCSF-ANS 226
Db 181 YQHPKAPKLMITVSGSRPSGVSNNRPSGSKSGNTASLTISGLQAEDEADYVCSYTTTS 240
Qy 227 GPLFGGGRKVTYL 239
Db 241 TRVFGGGRKLTIVL 253

RESULT 2
US-09-880-748-839
; Sequence 839, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; PRIORITY FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 839
; LENGTH: 256
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-839

Query Match 88.5%; Score 1106; DB 10; Length 256;
Best Local Similarity 83.9%; Pred. No. 1,4e-72;
Matches 213; Conservative 12; Mismatches 13; Indels 16; Gaps 2;

Qy 2 VOLQSGGGVQPGGSLRLSCAAGFTFTSSYSMSWVRQAPGKLEWVAIVSYDGSNKYYA 61
Db 2 VOLVSGGGVQPGGSLRLSCAAGFTFTSSYSMSWVRQAPGKLEWVAIVSYDGSNKYYA 61
Qy 62 DSVKGRFTISRDNKNTLYLQMSLRADTAIVYCARBEGFDILTGYGPGYFDYWGK 106
Db 62 DSVKGRFTISRDNKNTLYLQMSLRADTAIVYCARBEGFDILTGYGPGYFDYWGK 106
Qy 107 RGTIVTVSSGGGGGGGGGGGGGGGGGSGGQSVLTQPAVSQSGQSTTTTCTGTSSDGAIVYVSM 166
Db 122 RGTIVTVSSGGGGGGGGGGGGGGGGGSGGQSVLTQPAVSQSGQSTTTTCTGTSSDVGIVYVSM 181
Qy 167 YQCYPGKAPKLLIYDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYVCSF-ANS 225
Db 182 YQHPKAPKLMITVSGSRPSGVSNNRPSGSKSGNTASLTISGLQAEDEADYVCSYTTTS 241
Qy 226 GPLFGGGRKVTYL 239
Db 242 TRVFGGGRKLTIVL 255

RESULT 3
US-09-880-748-1627
; Sequence 1627, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
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; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; PRIORITY FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 1627
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1627

Query Match 87.8%; Score 1097; DB 10; Length 252;
Best Local Similarity 84.5%; Pred. No. 6.1e-72;
Matches 212; Conservative 12; Mismatches 15; Indels 12; Gaps 2;

Qy 1 QVOLQSGGGVQPGGSLRLSCAAGFTFTSSYSMSWVRQAPGKLEWVAIVSYDGSNKYY 60
Db 1 QVOLVSGGGVQPGGSLRLSCAAGFTFTSSYSMSWVRQAPGKLEWVAIVSYDGSNKYY 60
Qy 61 ADVKGRFTISRDNKNTLYLQMSLRADTAIVYCARBEGFDILTGYGPGYFDYWGK 109
Db 61 ADVKGRFTISRDNKNTLYLQMSLRADTAIVYCARBEGFDILTGYGPGYFDYWGK 120
Qy 110 LVTYSSGGGGGGGGGGGGGGGGGSGGQSVLTQPAVSQSGQSTTTTCTGTSSDGAIVYVSM 169
Db 121 LVTYSSGGGGGGGGGGGGGGGGGSGGQSVLTQPAVSQSGQSTTTTCTGTSSDVGIVYVSM 180
Qy 170 YQPGKAPKLLIYDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYVCSF-ANS 228
Db 181 QHPKAPKLMITVSGSRPSGVSNNRPSGSKSGNTASLTISGLQAEDEADYVCSYTTTS 240
Qy 229 LFGGGRKVTYL 239
Db 241 VFGGGRKLTIVL 251

RESULT 4
US-09-880-748-981
; Sequence 981, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; PRIORITY FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 981
; LENGTH: 254
; TYPE: PRT
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ORGANISM: Homo sapiens
US-09-880-748-981

Query Match 87.7%; Score 1096; DB 10; Length 254;
Best Local Similarity 84.2%; Pred. No. 7.3e-72;
Matches 213; Conservative 13; Mismatches 13; Indels 14; Gaps 3;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSISYMWVRAQPGKLEWAVISYDSNKKY 60
DB 1 QVQLVQSGGIVQPGRLSLRSCAASGFTFSISYGMHWRAQPGKLEWAVISYDSNKKY 60
QY 61 ADSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDR-YFDL-----WGR 107
DB 61 ADSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDRGGYDILTYRGHGMVWGR 120
QY 108 GTLVTVSSGGGSGGSGGSGSALTOPASVSGSPGQITISCTGSSDIDGANYVSW 167
DB 121 GTLVTVSSGGGSGGSGGSGSALTOPASVSGSPGQITISCTGSSDVGYNVSW 180
QY 168 YQYPRGAPKLLIYDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYCSSF-ANS 226
DB 181 YQHPGKAPKLMITVSGSKRPSGVSNRPFGSKSGNTASLTISGLQAEDEADYCSSYTRRS 240
QY 227 GPLFGGRTKTVL 239
DB 241 TRVFGGRTKTVL 253

RESULT 5

US-09-880-748-2055
Sequence 2055, Application US/09880748
Publication No. US2003005937A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PP523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 2055
LENGTH: 241
TYPE: PRT
ORGANISM: Homo sapiens
US-09-880-748-2055

Query Match 87.6%; Score 1095.5; DB 10; Length 241;
Best Local Similarity 86.2%; Pred. No. 7.5e-72;

Matches 207; Conservative 16; Mismatches 16; Indels 1; Gaps 1;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSISYMWVRAQPGKLEWAVISYDSNKKY 60
DB 1 QVQLVQSGGIVQPGRLSLRSCAASGFTFSISYGMHWRAQPGKLEWAVISYDSNKKY 60
QY 61 ADSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDR-YFDL-----WGR 120
DB 61 ADSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDRDEYVWQGLIVYSSGGSS 120
QY 121 GGGSGGGGSGGSGGSGGSGSALTOPASVSGSPGQITISCTGSSDIDGANYVSWYQYPRGAPKLLI 180
DB 121 GGGSGGGGSGGSGGSGGSGSALTOPASVSGSPGQITISCTGSSDVGYNVSWYQHPGKAPKRWI 180
QY 181 YDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYCSSFAN-SGPLFGGRTKTVL 239

DB 181 YDVSNRPSGVSNRPFGSKSGNTASLTISGLQAEDEADYCSSYSASIVIRGGGRTKTVL 240

RESULT 6

US-09-880-748-956
Sequence 956, Application US/09880748
Publication No. US20030059937A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PP523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 956
LENGTH: 252
TYPE: PRT
ORGANISM: Homo sapiens
US-09-880-748-956

Query Match 87.4%; Score 1093; DB 10; Length 252;
Best Local Similarity 84.1%; Pred. No. 1.2e-71;

Matches 211; Conservative 12; Mismatches 16; Indels 12; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSISYMWVRAQPGKLEWAVISYDSNKKY 60
DB 1 QVQLVQSGGIVQPGRLSLRSCAASGFTFSISYGMHWRAQPGKLEWAVISYDSNKKY 60
QY 61 ADSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDR-YFDL-----WGR 109
DB 61 EDSVKGRTISRDNKNTLYLQNMSLRAEDTAVYVCARDRGGYDILTYRGHGMVWGR 120
QY 110 LTVVSSGGGSGGSGGSGGSGSALTOPASVSGSPGQITISCTGSSDIDGANYVSWYQ 169
DB 121 TVTVSSGGGSGGSGGSGGSGSALTOPASVSGSPGQITISCTGSSDVGYNVSWYQ 180
QY 170 YQYPRGAPKLLIYDVSNRPSGISNRPFGSKSGDTASLTISGLQAEDEADYCSSF-ANS 228
DB 181 YQHPGKAPKLMITVSGSKRPSGVSNRPFGSKSGNTASLTISGLQAEDEADYCSSYTRSTR 240
QY 229 LFGGRTKTVL 239
DB 241 TRVFGGRTKTVL 251

RESULT 7

US-09-880-748-955
Sequence 955, Application US/09880748
Publication No. US2003005937A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PP523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16

PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 955
LENGTH: 251
TYPE: PRT
ORGANISM: Homo sapiens
US-09-880-748-955

Query Match 87.2%; Score 1089.5; DB 10; Length 251;
Best Local Similarity 83.6%; Pred. No. 2.1e-71;
Matches 209; Conservative 14; Mismatches 16; Indels 11; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYMSMWRQAPGKLEWVAVISDGSNKYY 60
DB 1 EVQLVESGGGVQPGGSLRLSCAASGFTFSYGMHWVRQAPGKLEWVALIWYDSKKYY 60
QY 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDR-----YFDLMGRGTL 110
DB 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDRSHYDILGLNMYFDLMGRGTM 120
QY 111 VTVSSGGGGSGGGSGGGSGSALTOPASVSGSPGQSITISCTGSSPDIGAVNYVSWYQ 170
DB 121 VTVSSGGGGSGGGSGGGSGSVLTQPASVSGSPGQSITISCTGSSPDVGYNYVSWYQ 180
QY 171 YPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSF-ANSGL 229
DB 181 HPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSYTTRSTRV 240
QY 230 FGGGTXYTVL 239
DB 241 FGGGTXYTVL 250

RESULT 8

US-09-880-748-1317
Sequence 1317, Application US/09880748
Publication No. US20030059937A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PFS23
CURRENT APPLICATION NUMBER: US/09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1317
LENGTH: 251
TYPE: PRT
ORGANISM: Homo sapiens
US-09-880-748-1317

Query Match 87.2%; Score 1089.5; DB 10; Length 251;
Best Local Similarity 83.6%; Pred. No. 2.1e-71;
Matches 209; Conservative 14; Mismatches 16; Indels 11; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYMSMWRQAPGKLEWVAVISDGSNKYY 60
DB 1 QVQLQESGGGVQPGGSLRLSCAASGFTFSYGMHWVRQAPGKLEWVALIWYDSKKYY 60

QY 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDR-----YFDLMGRGTL 110
DB 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDRSHYDILGLNMYFDLMGRGTM 120
QY 111 VTVSSGGGGSGGGSGGGSGSALTOPASVSGSPGQSITISCTGSSPDIGAVNYVSWYQ 170
DB 121 VTVSSGGGGSGGGSGGGSGSVLTQPASVSGSPGQSITISCTGSSPDVGYNYVSWYQ 180
QY 171 YPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSF-ANSGL 229
DB 181 HPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSYTTRSTRV 240
QY 230 FGGGTXYTVL 239
DB 241 FGGGTXYTVL 250

RESULT 9

US-09-880-748-1114
Sequence 1114, Application US/09880748
Publication No. US20030059937A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PFS23
CURRENT APPLICATION NUMBER: US/09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1114
LENGTH: 251
TYPE: PRT
ORGANISM: Homo sapiens
US-09-880-748-1114

Query Match 87.1%; Score 1088.5; DB 10; Length 251;
Best Local Similarity 83.2%; Pred. No. 2.5e-71;
Matches 208; Conservative 16; Mismatches 15; Indels 11; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYMSMWRQAPGKLEWVAVISDGSNKYY 60
DB 1 EVQLVESGGGVQPGGSLRLSCAASGFTFSYGMHWVRQAPGKLEWVALIWYDSKKYY 60
QY 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDR-----YFDLMGRGTL 110
DB 61 ADSVKGRFTISRDNKNTLYIQMNSLRADTAIVYCAEDRSHYDILGLNMYFDLMGRGTM 120
QY 111 VTVSSGGGGSGGGSGGGSGSALTOPASVSGSPGQSITISCTGSSPDIGAVNYVSWYQ 170
DB 121 VTVSSGGGGSGGGSGGGSGSVLTQPASVSGSPGQSITISCTGSSPDVGYNYVSWYQ 180
QY 171 YPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSF-ANSGL 229
DB 181 HPGKAPKLLIYDVSNRPSGISNRFSGSKSGDTASLTISGLQAEDEADYCCSYTTRSTRV 240
QY 230 FGGGTXYTVL 239
DB 241 FGGGTXYTVL 250

RESULT 10
US-09-880-748-1003
Sequence 1003, Application US/09880748

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; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1003
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1003

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Query Match      86.8%; Score 1084.5; DB 10; Length 253;
Best Local Similarity 82.9%; Pred. No. 4.9e-71;
Matches 209; Conservative 14; Mismatches 16; Indels 13; Gaps 2;

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QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYSSMWVROAPGKGLEWVAIVISDGSNKYY 60
DB 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYSSMWVROAPGKGLEWVAIVISDGSNKYY 60
QY 61 ADSVKGRTTISRDNKNTLYLQWMSLRADPTAVYYCARDRYFDL-----WGKG 108
DB 61 ADSVKGRTTISRDNKNTLYLQWMSLRADPTAVYYCARDRYFDL-----WGKG 108
QY 61 VDSVKGRTTISRDNKNTLYLQWMSLRADPTAVYYCARDRYFDL-----WGKG 120
DB 61 VDSVKGRTTISRDNKNTLYLQWMSLRADPTAVYYCARDRYFDL-----WGKG 120
QY 109 TLVTVSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 168
DB 121 TLVTVSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 180
QY 169 QVPGKAPKLLIYDVSNRPSGISNRFSGSKGDTASLTISGLQADEADYVCSF-ANGSL 227
DB 181 QVPGKAPKLLIYDVSNRPSGISNRFSGSKGDTASLTISGLQADEADYVCSF-ANGSL 240
QY 228 PLFGGGRTVTVL 239
DB 241 RVFGGRTVTVL 252

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RESULT 11
US-09-880-748-1332
; Sequence 1332, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1332

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; LENGTH: 251
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1332

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Query Match      86.6%; Score 1082.5; DB 10; Length 251;
Best Local Similarity 83.2%; Pred. No. 6.8e-71;
Matches 208; Conservative 14; Mismatches 17; Indels 11; Gaps 2;

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QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYSSMWVROAPGKGLEWVAIVISDGSNKYY 60
DB 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYSSMWVROAPGKGLEWVAIVISDGSNKYY 60
QY 61 ADSVKGRTTISRDNKNTLYLQWMSLRADPTAVYYCARDRYFDL-----YDLMGRGL 110
DB 61 ADSVKGRTTISRDNKNTLYLQWMSLRADPTAVYYCARDRYFDL-----YDLMGRGL 120
QY 111 VTVSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 170
DB 121 VTVSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 180
QY 171 YPGKAPKLLIYDVSNRPSGISNRFSGSKGDTASLTISGLQADEADYVCSF-ANGSL 229
DB 181 YPGKAPKLLIYDVSNRPSGISNRFSGSKGDTASLTISGLQADEADYVCSF-ANGSL 240
QY 230 FGGGRTVTVL 239
DB 241 FGGGRTVTVL 250

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RESULT 12
US-09-880-748-1701
; Sequence 1701, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1701
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1701

```

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Query Match      86.3%; Score 1079; DB 10; Length 254;
Best Local Similarity 81.8%; Pred. No. 1.2e-70;
Matches 207; Conservative 18; Mismatches 14; Indels 14; Gaps 2;

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QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYSSMWVROAPGKGLEWVAIVISDGSNKYY 60
DB 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSYSSMWVROAPGKGLEWVAIVISDGSNKYY 60
QY 61 ADSVKGRTTISRDNKNTLYLQWMSLRADPTAVYYCARDRYFDL-----DLMGR 107
DB 61 ADSVKGRTTISRDNKNTLYLQWMSLRADPTAVYYCARDRYFDL-----DLMGR 120
QY 108 GTLVTVSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 167
DB 121 GTLVTVSSGGGSGGGSGGSGQSALTPASVSGSPGQSITISCTGTSIDIGAVNYVSWY 180

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QY 168 YQVYFGKAPKLLIYDVSNRPSGISNRFGSGSKGDTASLTISGLQAEDEADYYCSSF-ANS 226
 DB 181 YQVHFGKAPKLMITYEGSKRPSGVSNRFGSGSKGDTASLTISGLQAEDEADYYCSSYTTSS 240
 QY 227 GPLFGGKTKVTVL 239
 DB 241 TRVFGGKTKVTVL 253

RESULT 13
 US-09-880-748-1759
 ; Sequence 1759, Application US/09880748
 ; Publication No. US20030059937A1
 ; GENERAL INFORMATION:

; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
 ; FILE REFERENCE: PF523
 ; CURRENT APPLICATION NUMBER: US/09/880,748
 ; PRIOR FILING DATE: 2001-06-15
 ; PRIOR APPLICATION NUMBER: 60/212,210
 ; PRIOR FILING DATE: 2003-06-15
 ; PRIOR APPLICATION NUMBER: 60/240,816
 ; PRIOR FILING DATE: 2000-10-17
 ; PRIOR APPLICATION NUMBER: 60/276,248
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/277,379
 ; PRIOR FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: 60/293,499
 ; PRIOR FILING DATE: 2001-05-25
 ; NUMBER OF SEQ ID NOS: 3239
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1759
 ; LENGTH: 254
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-880-748-1759

Query Match 86.3%; Score 1079; DB 10; Length 254;
 Best Local Similarity 82.2%; Pred. No. 1.2e-70;
 Matches 208; Conservative 16; Mismatches 15; Indels 14; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSISYMWROAPGKLEWNAVISYDSNKYY 60
 DB 1 QVQLVQSGGGLVQPGGSLRLSCAASGFTFSISYGMHWROAPGKLEWNAVISYDSNKYY 60
 QY 61 ADSVYGRFTISRDNKNTLYIQMNSLRADTAIVYICARDRYFDL-----WGK 107
 DB 61 ADSVYGRFTISRDNKNTLYIQMNSLRADTAIVYICAREGSDILTGYYVGVGRMDWGR 120
 QY 108 GTLVTVSSGGGGSGGGSGGSGSALTOPASVSGSGGQGITTSCTGTSDDIANYVSM 167
 DB 121 GIMTVVSSGGGGSGGGSGGSGSGLTOPASVSGSGPQGITTSCTGTSDDVGGYVSM 180
 QY 168 YQVYFGKAPKLLIYDVSNRPSGISNRFGSGSKGDTASLTISGLQAEDEADYYCSSF-ANS 226
 DB 181 YQVHFGKAPKLMITYEGSKRPSGVSNRFGSGSKGDTASLTISGLQAEDEADYYCSSYTTSS 240
 QY 227 GPLFGGKTKVTVL 239
 DB 241 TRVFGGKTKVTVL 253

RESULT 14
 US-09-880-748-1392
 ; Sequence 1392, Application US/09880748
 ; Publication No. US20030059937A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
 ; FILE REFERENCE: PF523
 ; CURRENT APPLICATION NUMBER: US/09/880,748
 ; CURRENT FILING DATE: 2001-06-15

; PRIOR APPLICATION NUMBER: 60/212,210
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 60/240,816
 ; PRIOR FILING DATE: 2000-10-17
 ; PRIOR APPLICATION NUMBER: 60/276,248
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/277,379
 ; PRIOR FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: 60/293,499
 ; PRIOR FILING DATE: 2001-05-25
 ; NUMBER OF SEQ ID NOS: 3239
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1392
 ; LENGTH: 256
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-880-748-1392

Query Match 86.2%; Score 1078; DB 10; Length 256;
 Best Local Similarity 81.2%; Pred. No. 1.5e-70;
 Matches 207; Conservative 18; Mismatches 14; Indels 16; Gaps 2;

QY 1 QVQLQESGGGLVQPGGSLRLSCAASGFTFSISYMWROAPGKLEWNAVISYDSNKYY 60
 DB 1 QVQLVQSGGGLVQPGGSLRLSCAASGFTFSNYDMWROAPGKLEWNAVISYDSNKYY 60
 QY 61 ADSVYGRFTISRDNKNTLYIQMNSLRADTAIVYICARDRYFDL-----FDLW 105
 DB 61 ADSVYGRFTISRDNKNTLYIQMNSLRADTAIVYICARDRYFDLITGYIIPGLDAPFIW 120
 QY 106 GRTLVTVSSGGGGSGGGSGGSGSALTOPASVSGSGGQGITTSCTGTSDDIANYV 165
 DB 121 GQGLTVTVSSGGGGSGGGSGGSGSGLTOPASVSGSGPQGITTSCTGTSDDVGGYV 180
 QY 166 SWYQVYFGKAPKLLIYDVSNRPSGISNRFGSGSKGDTASLTISGLQAEDEADYYCSSF-A 224
 DB 181 SWYQVYFGKAPKLMITYEGSKRPSGVSNRFGSGSKGDTASLTISGLQAEDEADYYCSSYTT 240
 QY 225 NSGPLFGGKTKVTVL 239
 DB 241 RSTRVFGGKTKVTVL 255

RESULT 15
 US-09-880-748-989
 ; Sequence 989, Application US/09880748
 ; Publication No. US20030059937A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
 ; FILE REFERENCE: PF523
 ; CURRENT APPLICATION NUMBER: US/09/880,748
 ; PRIOR FILING DATE: 2001-06-15
 ; PRIOR APPLICATION NUMBER: 60/212,210
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 60/240,816
 ; PRIOR FILING DATE: 2000-10-17
 ; PRIOR APPLICATION NUMBER: 60/276,248
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/277,379
 ; PRIOR FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: 60/293,499
 ; PRIOR FILING DATE: 2001-05-25
 ; NUMBER OF SEQ ID NOS: 3239
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 989
 ; LENGTH: 253
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-880-748-989

Query Match 86.2%; Score 1077.5; DB 10; Length 253;
 Best Local Similarity 83.3%; Pred. No. 1.6e-70;

Matches 210; Conservative 14; Mismatches 15; Indels 13; Gaps 3;

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| QY | 1 | QVQLQESGGGLVQPGGSLRLISCAASGFTFSISMSWVRQAPGKGLEWVAVISYDGSNKYY | 60 |
| Db | 1 | QVQLVESGGGLVQPGGSLRLISCAASGFTFSYMSWVRQAPGKGLEWVAISGSGSTYY | 60 |
| QY | 61 | ADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYCARDR-----YF--DLMGRG | 108 |
| Db | 61 | ADSVKGRFTISRDNKNTLYLQNNSLRFEDTAVYCARERADYDILTGIFYIDMDVWGRG | 120 |
| QY | 109 | TLVTVSSGGSGSGSGSGSGSQSALTQPAVSQSPGQGITISCTGTSSDIGANNYVSWY | 168 |
| Db | 121 | TLVTVSSGGSGSGSGSGSQSVLTQPAVSQSPGQGITISCTGTSSDVGANNYVSWY | 180 |
| QY | 169 | QQVPGKAPKLLIVDSVRPSGISNRPSSKSGDPTASTISGLQAEDEADYVCSF-ANSG | 227 |
| Db | 181 | QQHPGKAPKLLIEGSKRPSSVSNRPSSKSGNTASTISGLQAEDEADYVCSSTTRST | 240 |
| QY | 228 | PLFGGGTKVTYL | 239 |
| Db | 241 | RVFGGGTKVTYL | 252 |

Search completed: March 15, 2004, 07:36:34
 Job time : 407 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 18, 2004, 06:23:15 ; Search time 33.8235 Seconds
(without alignments)
528.269 Million cell updates/sec

Title: US-09-620-955B-9

Perfect score: 379

Sequence: 1 LVPRGSVSTHHHHQOOOQO.....HHGNSGPPFPGLRPHRD 69

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 25895539 residues

Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/ptodata/2/pubpaa/PTI_NEW_PUB.pep:*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
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- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep:*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*
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- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
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- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----------------------|---------------------|
| 1 | 192 | 50.7 | 171 | US-10-077-584-4 | Sequence 4, Appl1 |
| 2 | 188.5 | 49.7 | 910 | US-09-086-436-31 | Sequence 31, Appl1 |
| 3 | 182 | 48.0 | 915 | US-10-282-122A-68420 | Sequence 68420, A |
| 4 | 180.5 | 47.6 | 758 | US-09-801-368-224 | Sequence 224, Appl1 |
| 5 | 179 | 47.2 | 338 | US-09-933-638A-12 | Sequence 12, Appl1 |
| 6 | 179 | 47.2 | 339 | US-10-116-275-184 | Sequence 184, Appl1 |
| 7 | 179 | 47.2 | 371 | US-09-849-243-16 | Sequence 16, Appl1 |
| 8 | 179 | 47.2 | 2150 | US-10-115-322-17 | Sequence 17, Appl1 |
| 9 | 178 | 47.0 | 1955 | US-10-293-504-3 | Sequence 3, Appl1 |
| 10 | 177.5 | 46.8 | 181 | US-10-424-599-159517 | Sequence 159517, A |
| 11 | 176 | 46.4 | 97 | US-09-864-761-35499 | Sequence 35499, A |
| 12 | 176 | 46.4 | 467 | US-09-416-384A-7 | Sequence 7, Appl1 |
| 13 | 175 | 46.2 | 1138 | US-10-074-475-194 | Sequence 194, Appl1 |
| 14 | 171.5 | 45.3 | 1420 | US-10-379-616-4 | Sequence 4, Appl1 |
| 15 | 167 | 44.1 | 326 | US-10-029-386-32987 | Sequence 32987, A |

| | | | | | |
|----|-------|------|------|----------------------|----------------------|
| 16 | 167 | 44.1 | 816 | US-10-207-706-3 | Sequence 3, Appl1 |
| 17 | 166 | 43.8 | 606 | US-10-425-114-53918 | Sequence 53918, A |
| 18 | 166 | 43.8 | 1070 | US-09-735-367B-6 | Sequence 6, Appl1 |
| 19 | 166 | 43.8 | 2005 | US-09-735-367B-3 | Sequence 3, Appl1 |
| 20 | 166 | 43.8 | 2063 | US-09-735-367B-2 | Sequence 2, Appl1 |
| 21 | 165 | 43.5 | 80 | US-10-177-725-14 | Sequence 14, Appl1 |
| 22 | 165 | 43.5 | 406 | US-10-369-493-3147 | Sequence 3147, Appl1 |
| 23 | 163 | 43.0 | 966 | US-09-801-368-372 | Sequence 372, Appl1 |
| 24 | 158 | 41.7 | 385 | US-10-424-599-154301 | Sequence 154301, A |
| 25 | 156.5 | 41.3 | 1372 | US-10-116-719-179 | Sequence 179, Appl1 |
| 26 | 156 | 41.2 | 623 | US-10-464-939-12 | Sequence 12, Appl1 |
| 27 | 156 | 41.2 | 780 | US-09-770-689A-5 | Sequence 5, Appl1 |
| 28 | 154 | 40.6 | 264 | US-10-029-180-30 | Sequence 30, Appl1 |
| 29 | 154 | 40.6 | 944 | US-10-029-180-26 | Sequence 26, Appl1 |
| 30 | 153 | 40.4 | 4952 | US-10-051-874-55 | Sequence 55, Appl1 |
| 31 | 153 | 40.4 | 5008 | US-10-051-874-156 | Sequence 156, Appl1 |
| 32 | 153 | 40.4 | 5159 | US-10-085-198-112 | Sequence 112, Appl1 |
| 33 | 153 | 40.4 | 5262 | US-10-051-874-155 | Sequence 155, Appl1 |
| 34 | 153 | 40.4 | 5262 | US-10-051-874-167 | Sequence 167, Appl1 |
| 35 | 152.5 | 40.2 | 702 | US-10-161-051-18 | Sequence 18, Appl1 |
| 36 | 150.5 | 39.7 | 170 | US-09-864-761-42294 | Sequence 42294, A |
| 37 | 150.5 | 39.7 | 1221 | US-10-270-333-60 | Sequence 60, Appl1 |
| 38 | 150 | 39.6 | 429 | US-09-987-107-34 | Sequence 34, Appl1 |
| 39 | 148.5 | 39.4 | 314 | US-10-317-832-13 | Sequence 13, Appl1 |
| 40 | 149.5 | 39.4 | 905 | US-10-369-493-5635 | Sequence 5635, Appl1 |
| 41 | 149.5 | 39.4 | 905 | US-10-369-493-5636 | Sequence 5636, Appl1 |
| 42 | 149 | 39.3 | 72 | US-09-820-843A-14 | Sequence 14, Appl1 |
| 43 | 149 | 39.3 | 72 | US-10-282-122A-58996 | Sequence 58996, A |
| 44 | 148.5 | 39.2 | 398 | US-10-412-699B-358 | Sequence 358, Appl1 |
| 45 | 148.5 | 39.2 | 398 | US-10-374-780A-2358 | Sequence 2358, Appl1 |

ALIGNMENTS

RESULT 1
US-10-077-584-4
Sequence 4, Application US/10077584
Publication No. US2003073610A1
GENERAL INFORMATION:
APPLICANT: LINDQUIST, SUSAN
APPLICANT: KROBITSCH, SYLVIA
APPLICANT: OUTEIRO, TIAGO F.
TITLE OF INVENTION: YEAST SCREENS FOR THE TREATMENT OF HUMAN DISEASE
FILE REFERENCE: AACD367US
CURRENT APPLICATION NUMBER: US/10/077,584
CURRENT FILING DATE: 2002-02-15
PRIOR APPLICATION NUMBER: 60/269,157
PRIOR FILING DATE: 2001-02-15
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 171
TYPE: PRT
ORGANISM: Homo sapiens
US-10-077-584-4

Query Match 50.7% Score 192; DB 14; Length 171;
Best Local Similarity 76.9% Pred. No. 8.9e-11;
Matches 40; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 15 QQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQHHGNSGPPFPGLRPHRD 66
DB 85 QQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQPPPPPPPPPPPPPPPP 136

RESULT 2
US-09-086-436-31
Sequence 31, Application US/09086436
Publication No. US20030118988A1
GENERAL INFORMATION:
APPLICANT: Kandell, Eric R.
APPLICANT: Santoro, Bina


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: TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
: FILE REFERENCE: EITRA.034A
: CURRENT APPLICATION NUMBER: US/10/282,122A
: CURRENT FILING DATE: 2003-02-20
: PRIOR APPLICATION NUMBER: 60/191,078
: PRIOR FILING DATE: 2000-03-21
: PRIOR APPLICATION NUMBER: 60/206,848
: PRIOR FILING DATE: 2000-05-23
: PRIOR APPLICATION NUMBER: 60/207,727
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: 60/230,335
: PRIOR FILING DATE: 2000-09-06
: PRIOR APPLICATION NUMBER: 60/230,347
: PRIOR FILING DATE: 2000-09-09
: PRIOR APPLICATION NUMBER: 60/242,578
: PRIOR FILING DATE: 2000-10-23
: PRIOR APPLICATION NUMBER: 60/253,625
: PRIOR FILING DATE: 2000-11-27
: PRIOR APPLICATION NUMBER: 60/257,931
: PRIOR FILING DATE: 2000-12-22
: PRIOR APPLICATION NUMBER: 60/267,636
: PRIOR FILING DATE: 2001-02-09
: PRIOR APPLICATION NUMBER: 60/269,308
: PRIOR FILING DATE: 2001-02-15
: Remaining Prior Application data removed - See File Wrapper or PAM.
: NUMBER OF SEQ ID NOS: 78614
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 68420
: LENGTH: 915
: TYPE: PRT

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; CURRENT FILING DATE: 2001-08-20
;
; PRIOR APPLICATION NUMBER: US 60/226,502
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; PRIOR FILING DATE: 2000-08-18

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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/849,243
FILING DATE: 07-May-2001
ATTORNEY/AGENT INFORMATION:
NAME: Granados, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 38005-0148
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 912-2000
TELEFAX: (202) 912-2020
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 371 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:

US-09-849-243-16

Query Match          47.2%, Score 179, DB 9, Length 371;
Best Local Similarity 81.8%; Pred. No. 2, 9e-09;
Matches      36; Conservative    1; Mismatches     7; Indels       0; Gaps      0;

Oy
|-----|
6 SVSTHHHHHQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ 49
Db 62 SLIEEQQRQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ 125

RESULT 8
US-10-135-322-17
Sequence 17, Application US/10135322
Publication No. US20020173017A1
GENERAL INFORMATION:
APPLICANT: BENFEY, PN
APPLICANT: HELARIUTTA, Y
APPLICANT: MAHONEN, AP
APPLICANT: BONKE, AMM
APPLICANT: KAUPPINEN, L
APPLICANT: RIIKONEN, M
TITLE OF INVENTION: WOODEN LEG GENE, PROMOTER AND USES THEREOF
FILE REFERENCE: 5914-086-999
CURRENT APPLICATION NUMBER: US/10/135,322
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: 60/253,739
PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn version 3.0
SEQ ID NO 17
LENGTH: 2150
TYPE: PRT
ORGANISM: Arabidopsis thaliana
US-10-135-322-17

Query Match          47.2%, Score 179, DB 13, Length 2150;
Best Local Similarity 97.2%; Pred. No. 1, 4e-08;
Matches      35; Conservative    0; Mismatches     1; Indels       0; Gaps      0;

Oy
|-----|
16 QQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQH 51
Db 33 QQQQLQQQQQQQQQQQQQQQQQQQQQQQQQQHQH 68

RESULT 9
US-10-293-504-3
Sequence 3, Application US/10293504
Publication No. US20030110520A1
GENERAL INFORMATION:
APPLICANT: Universita'degli studi di Roma la Sapienza
APPLICANT: Macino, Giuseppe
APPLICANT: Cognini, Carlo
TITLE OF INVENTION: Isolation and characterization of a N. crassa silencing
```

```

PROR APPLICATION NUMBER: US 60/180,312
PROR FILING DATE: 2000-02-04
PROR APPLICATION NUMBER: US 60/207,456
PROR FILING DATE: 2000-05-26
PROR APPLICATION NUMBER: US 09/632,366
PROR FILING DATE: 2000-08-03
PROR APPLICATION NUMBER: GB 24263.6
PROR FILING DATE: 2000-10-04
PROR APPLICATION NUMBER: US 60/236,359
PROR FILING DATE: 2000-09-27
PROR APPLICATION NUMBER: PCT/US01/00666
PROR FILING DATE: 2001-01-30
PROR APPLICATION NUMBER: PCT/US01/00667
PROR FILING DATE: 2001-01-30
PROR APPLICATION NUMBER: PCT/US01/00664
PROR FILING DATE: 2001-01-30
PROR APPLICATION NUMBER: PCT/US01/00669
PROR FILING DATE: 2001-01-30
PROR APPLICATION NUMBER: PCT/US01/00665
PROR FILING DATE: 2001-01-30
PROR APPLICATION NUMBER: PCT/US01/00668
PROR FILING DATE: 2001-01-30
PROR APPLICATION NUMBER: PCT/US01/00663
PROR FILING DATE: 2001-01-30
PROR APPLICATION NUMBER: PCT/US01/00662
PROR FILING DATE: 2001-01-30
PROR APPLICATION NUMBER: PCT/US01/00661
PROR FILING DATE: 2001-01-30
PROR APPLICATION NUMBER: PCT/US01/00670
PROR FILING DATE: 2001-01-30
PROR APPLICATION NUMBER: US 60/234,687
PROR FILING DATE: 2000-09-21
PROR APPLICATION NUMBER: US 09/608,408
PROR FILING DATE: 2000-06-30
PROR APPLICATION NUMBER: US 09/774,203
PROR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
SEQ ID NO 35499
LENGTH: 97
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC009954.1
OTHER INFORMATION: EXPRESSED IN Bt474, SIGNAL = 47
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 53
OTHER INFORMATION: EXPRESSED IN HELI00, SIGNAL = 69
OTHER INFORMATION: EXPRESSED IN HBL00T, SIGNAL = 27
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 16
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 21
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 29
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 33
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 21
OTHER INFORMATION: EST_HUMAN HIT: BE260046.1, EVALUO 3.00e-14
OTHER INFORMATION: SWISSPROT HIT: P53360, EVALUO 3.00e-15
US-09-864-761-35499

Query Match          46.4%; Score 176; DB 9; Length 97;
Best Local Similarity 81.8%; Pred. No. 1.7e-09;
Matches    36; Conservative      2; Mismatches   6; Indels     0; Gaps       0
CY           6 SVSTHHHHHQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ 49
              |||
Db          30 SLSLEEQQRQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ 73

RESULT 12
US-09-416-384A-7
; Sequence 7, Application US/09416384A
Patent No. US20020081584A1
GENERAL INFORMATION:
APPLICANT: BLUMENFELD, Marta
```



```

1  APPLICANT: OUTERO, TIAGO F.
2  TITLE OF INVENTION: YEAST SCREENS FOR THE TREATMENT OF HUMAN DISEASE
3  FILE REFERENCE: ARCD:16715
4  CURRENT APPLICATION NUMBER: US/10/077,584
5  CURRENT FILING DATE: 2002-02-15
6  PRIOR APPLICATION NUMBER: 60/269,157
7  PRIOR FILING DATE: 2001-02-15
8  NUMBER OF SEQ ID NOS: 9
9  SOFTWARE: Patentrin Ver. 2.1
10 SEQ ID NO 4
11 LENGTH: 171
12 TYPE: PRT
13 ORGANISM: Homo sapiens
14 US-10-077-584-4

```

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Query Match      92.5%  Score 208; DB 14; Length 171;
Best Local Similarity 97.7%  Pred. No. 1, 7e-15;
Matches 43; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

RESULT 3
US-10-354-246-1
: Sequence 1, Application US/10354246
: Publication NO: US20030232052A1
: GENERAL INFORMATION:
: APPLICANT: Khoshnau, Ali
: APPLICANT: Paterson, Paul H.
: TITLE OF INVENTION: ANTIBODIES THAT BIND TO AN EPIOTOPE OF
: TITLE OF INVENTION: THE HUNTINGTON'S DISEASE PROTEIN
: FILE REFERENCE: CALTEC 012A
: CURRENT APPLICATION NUMBER: US/10/354,246
: CURRENT FILING DATE: 2003-01-28
: PRIOR APPLICATION NUMBER: 60/353,032
: PRIOR FILING DATE: 2001-01-28
: NUMBER OF SEQ ID NOS: 6
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 1
: LENGTH: 91
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-10-354-246-1

```

```

Query March 68.3% Score 196; DB 15; Length 91;
Match Local Similarity 91.1% Pred. No. 1.8e-14;
Species 41; Conservative 0; Mismatches 4; Indels 0; Gaps 0

Db 1 MATLEKLMKAFESLKSFGQQQQQQQQQQQQQQQQQQQQQQQQQQQQPPPP 45
7 MATLEKLMKAFESLKSFGQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQPPPP 51

RESULT 4
US-10-215-432-27
: Sequence 27, Application US/10/215432
: Publication No. US20030109476A1
: GENERAL INFORMATION:
: APPLICANT: Eric B. Kmiec
: APPLICANT: Hetal Parekh-Ojmedo
: TITLE OF INVENTION: Composition and methods for the
: TITLE OF INVENTION: prevention and treatment of Huntington's disease
: FILE REFERENCE: Napro-10
: CURRENT APPLICATION NUMBER: US/10/215,432
: CURRENT FILING DATE: 2002-11-19
: NUMBER OF SEQ ID NOS: 44
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 27
: LENGTH: 87
: TYPE: PRT
: ORGANISM: Homo Sapiens

```

US-10-215-432-27

| | | | | |
|-----------------------|--------|--------------------|--------|---------------|
| Query Match | 63.1%; | Score 181; | DB 14; | Length 87; |
| Best Local Similarity | 69.5%; | Pred. No. 7.9e-13; | | |
| Matches | 41; | Conservative | 0; | Mismatches 4; |
| | | | | Indels 14; |
| | | | | Gaps 1; |

```
QY      7 MATLEKMKAFESLKSFGQQQQQQQQQQQQQQQQQQ-----QQQQQLQP 51
        |||||
DB       1 MATLEKMKAFESLKSFGQQQQQQQQQQQQQQPPPPPPPLPQLPQAP 59
```

RESULT 5
US-09-904-987-7

```

?      APPLICANT: No. US20020037908A1acetyl, Inc.
?      TITLE OF INVENTION: Methods and Compositions for Controlling Pathological and Prepa
?      TITLE OF INVENTION: Protein Assembly or Aggregation
?      FILE REFERENCE: 42108/25146
?      CURRENT APPLICATION NUMBER: US/09/904,987
?      CURRENT FILING DATE: 2001-07-12
?      NUMBER OF SEQ ID NOS: 7
?      SOFTWARE: PatentIn version 3.0
?      SEQ ID NO 7
?      LENGTH: 1543
?      TYPE: PRT
?      ORGANISM: homo sapiens
?      PUBLICATION INFORMATION:
?      DATABASE ACCESSION NUMBER: NCBI ENTREZ / XP_003405
?      DATABASE ENTRY DATE: 2001-04-16
?      RELEVANT RESIDUES: (1)..(1543)
US-09-904-987-7

```

| | | | | |
|--------------------------|-------|-------------------|-----------|-------------|
| Query Match | 63.1% | Score 181 | DB 9 | Length 1543 |
| Best Local Similarity | 69.5% | Pred. No. 1.7e-11 | | |
| Matches 41; Conservative | 0 | Mismatches 4 | Indels 14 | Gaps 1 |

| | | | | |
|----|----|---|--|----|
| | QY | 7 | MATEKLMKFESLKSFCQQQQQQQQQQQQQQQQQQ-----QQCQLQP | 51 |
| | | 1 | MATEKLMKFESLKSFCQQQQQQQQQQQQQQQQQQPDPDPDPDPQLQPQAQAP | 59 |
| Db | | | | |

RESULT 6
US-09-933-638A-12
; Sequence 12, Application US/09933638A

```

/ GENERAL INFORMATION:
/ APPLICANT: Kazantsev, Aleksey G.
/ APPLICANT: Thompson, Leslie M.
/ APPLICANT: Housman, David E.
/ TITLE OF INVENTION: INHIBITION OF PROTEIN-PROTEIN INTERACTION
/ FILE REFERENCE: 01997-289001
/ CURRENT APPLICATION NUMBER: US/09/933,638A
/ CURRENT FILING DATE: 2001-08-20
/ PRIOR APPLICATION NUMBER: US 60/226,502
/ PRIOR FILING DATE: 2000-08-18
/ NUMBER OF SEQ ID NOS: 12
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 12
/ LENGTH: 338
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-933-638A-12

```

[illegible]

RESULT 2
US-09-933-638A-12
; Sequence 12, Application US/09933638A

Mon Mar 22 11:14:58 2004

us-09-620-955b-11.rapb

Page 3

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; TYPE: PRT
; ORGANISM: Murine
US-09-086-436-31

```

| | | | | |
|-----------------------|-----------------|--------------------|-----------|-------------|
| Query Match | 55.6%; | Score 207; | DB 10; | Length 910; |
| Best Local Similarity | 87.5%; | Pred. No. 7.2e-13; | | |
| Matches 42; | Conservative 1; | Mismatches 5; | Indels 0; | Gaps 0; |

[illegible]

RESULT 6
US-10-077-584-6
; Sequence 6, Application US/10077584
; Publication No. US20030073610A1

```

1  APPLICANT: LINDQUIST, SUSAN
2  APPLICANT: KROBITSCH, SYLVIA
3  APPLICANT: OUTTERO, TIAO F.
4  TITLE OF INVENTION: YEAST SCREENS FOR THE TREATMENT OF HUMAN DISEASE
5  FILE REFERENCE: ARCO:36705
6  CURRENT APPLICATION NUMBER: US/10/077,584
7  CURRENT FILING DATE: 2002-02-15
8  PRIOR APPLICATION NUMBER: 60/269,157
9  PRIOR FILING DATE: 2001-02-15
10 NUMBER OF SEQ ID NOS: 9
11 SOFTWARE: PatentIn Ver. 2.1
12 SEQ ID NO 6
13 LENGTH: 63
14 TYPE: PRT
15 ORGANISM: Homo sapiens
16 OS-10-077-584-6

```

| | | | | |
|-----------------------|-----------------|--------------------|-----------|------------|
| Query Match | 55.1%; | Score 205; | DB 14; | Length 63; |
| Best Local Similarity | 100.0%; | Pred. No. 7.6e-14; | | |
| Matches 42; | Conservative 0; | Mismatches 0; | Indels 0; | Gaps 0 |

[illegible]

RESULT 7
US-10-354-246-1
; Sequence 1, Application US/10354246
; Publication No. US20030232052A1

```

1  APPLICANT: Khoshnan, Ali
2  APPLICANT: Pattersen, Paul H.
3  TITLE OF INVENTION: ANTIBODIES THAT BIND TO AN EPITOPE OF
4  TITLE OF INVENTION: THE HUNTINGTON'S DISEASE PROTEIN
5  TITLE OF INVENTION:
6  FILE REFERENCE: CALTE, 012A
7  CURRENT APPLICATION NUMBER: US/10/354,246
8  CURRENT FILING DATE: 2003-01-28
9  PRIOR APPLICATION NUMBER: 60/353,032
10 PRIOR FILING DATE: 2001-01-28
11 NUMBER OF SEQ ID NOS: 6
12 SOFTWARE: PasteSeq for Windows Version 4.0
13 SEQ ID NO 1
14 LENGTH: 51
15 TYPE: FAT
16 ORGANISM: Homo sapiens
17 US-10-354-246-1

```

| | | | | |
|-----------------------|--------|--------------------|--------|----------------|
| Query Match | 54.8%; | Score 204; | DB 15; | Length 91; |
| Best Local Similarity | 72.6%; | Pred. No. 1.4e-13; | | |
| Matches | 45; | Conservative | 0; | Mismatches 17; |
| | | | Indels | 0; |
| | | | Gaps | 0 |

QY 7 MATLEKIMKAFESLKSFGQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQL 66

Db 1 MATLEKIMKAFESLKSFGQQQQQQQQQQQQQQQQQQQQQQQQPPPPPPPPQLPQPQQA 60

$$\begin{array}{cc} QY & 67 \\ Db & 61 \end{array} \quad \begin{array}{cc} QP & 68 \\ QP & 62 \end{array}$$

RESULT 8
US-10-051-874-56
; Sequence 56, Application US/10051874
; Publication No. US20040005557A1
; GENERAL INFORMATION:
; INVENTOR NAME: MURPHY, ALAN

APPLICANT: Padigaru, Muralichara
 APPLICANT: Alsbrook II, John P
 APPLICANT: Colman, Steven D
 APPLICANT: Spytek, Kimberly A
 APPLICANT: Bollog, Terenc
 APPLICANT: Vernet, Corine AM
 APPLICANT: Li, Li
 APPLICANT: Shenoy, Suresh G
 APPLICANT: Casman, Stracie J
 APPLICANT: Guo, Xiaojia Saasha
 APPLICANT: Edinger, Shlomit R
 APPLICANT: MacDougall, John R
 APPLICANT: Malyankar, Utiel M
 APPLICANT: Patnirajan, Meera
 APPLICANT: Shinkets, Richard A
 APPLICANT: Pena, Carol EA
 APPLICANT: Tcherenev, Velizar T
 APPLICANT: Zerkhusen, Bryan D
 APPLICANT: Millet, Isabelle
 APPLICANT: Miller, Charles E
 APPLICANT: Lepley, Denise M
 APPLICANT: Smithson, Glenda
 APPLICANT: Baumgartner, Jason C
 APPLICANT: Herman, John L
 APPLICANT: Peyman, John A
 APPLICANT: Gorman, Linda
 APPLICANT: Mezes, Peter D
 APPLICANT: Kekuda, Ramesh
 APPLICANT: Taupier Jr, Raymond J
 APPLICANT: Gerlach, Valerie
 APPLICANT: Grosse, William M
 APPLICANT: Liu, Xiaohong
 APPLICANT: Ellerman, Karen
 APPLICANT: Rothenberg, Mark
 APPLICANT: Stone, David J
 APPLICANT: Burgess, Catherine E
 TITLE OF INVENTION: PROTEIN, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
 TITLE OF INVENTION: USING THE SAME
 FILE REFERENCE: 21402-245
 CURRENT APPLICATION NUMBER: US/10/051,874
 CURRENT FILING DATE: 2002-09-25
 PRIOR APPLICATION NUMBER: 60/268,595
 PRIOR FILING DATE: 2001-02-14
 PRIOR APPLICATION NUMBER: 60/325,306
 PRIOR FILING DATE: 2001-09-27
 PRIOR APPLICATION NUMBER: 60/262,587
 PRIOR FILING DATE: 2001-01-18
 PRIOR APPLICATION NUMBER: 60/272,409
 PRIOR FILING DATE: 2001-02-28
 PRIOR APPLICATION NUMBER: 60/262,454
 PRIOR FILING DATE: 2001-01-18
 PRIOR APPLICATION NUMBER: 60/276,777
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/221,672
 PRIOR FILING DATE: 2001-05-17
 PRIOR APPLICATION NUMBER: 60/330,336
 PRIOR FILING DATE: 2001-10-18
 PRIOR APPLICATION NUMBER: 60/265,530
 PRIOR FILING DATE: 2001-01-31
 PRIOR APPLICATION NUMBER: 60/261,376
 PRIOR FILING DATE: 2001-01-16
 NUMBER OF SEQ ID NOS: 269

CURRENT FILING DATE: 2002-09-23

```

: TITLE OF INVENTION: PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
:
: TITLE OF INVENTION: USING THE SAME
:
: FILE REFERENCE: 21402-245
:
: CURRENT APPLICATION NUMBER: US/10/051,874
:
: CURRENT FILING DATE: 2002-09-25

```

[illegible]

; OTHER INFORMATION: ClONE ID: PAT_MRT3847_115063C.1.pep
US-10-424-599-159517

| | | | | |
|-----------------------|--------|--------------------|--------|----------------|
| Query Match | 51.5%; | Score 191.5; | DB 12; | Length 181; |
| Best Local Similarity | 49.5%; | Pred. No. 5.2e-12; | | |
| Matches | 46; | Conservative | 3; | Mismatches 11; |
| | | | | Indels 35; |
| | | | | Gaps 2; |

| | | | | |
|--|----|-----|--|-----|
| | QY | 12 | KLMKAFSLKS FQQQQQQQQQ-----QQQQQQQ | 39 |
| | Dd | 82 | QLTLARRRQQQQQQQQQQGQPDPFKLQHQQQQQQGHMQMQLILGRAGQQQQQ | 147 |
| | QY | 40 | QQQQQQQQQQQQQQQQQQQQQQQQQQQQQQP---GSTPA | 73 |
| | Dd | 142 | QQQQQQQQQQPPQQQQQQQQPPQQHQQQQPPQQQRDRA | 178 |

RESULT 15
US-09-801

```

: Sequence 377 Application US/09801368
: Patent No. US20020128250A1
: GENERAL INFORMATION:
: APPLICANT: Busby, Robert
: APPLICANT: Call, Brian
: APPLICANT: Hecht, Peter
: APPLICANT: Holtzman, Doug
: APPLICANT: Madden, Kevin
: APPLICANT: Maxon, Mary
: APPLICANT: Milne, Todd
: APPLICANT: No. US20020128250A1man, Thea
: APPLICANT: Royer, John
: APPLICANT: Salama, Sofie
: APPLICANT: Sherman, Amir
: APPLICANT: Silva, Jeff
: APPLICANT: Summers, Eric
: TITLE OF INVENTION: Methods for Improving Secondary Metabolite Production in Fungi
: FILE REFERENCE: 109272.147
: CURRENT APPLICATION NUMBER: US/09/801,368
: CURRENT FILING DATE: 2001-03-07
: PRIOR APPLICATION NUMBER: US 09/487,558
: PRIOR FILING DATE: 2000-01-19
: PRIOR APPLICATION NUMBER: US 60/160,587
: PRIOR FILING DATE: 1999-10-20
: NUMBER OF SEQ ID NOS: 440
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 372
: LENGTH: 966
: TYPE: prt
: ORGANISM: Saccharomyces cerevisiae
US-09-801-368-372

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```
Query Match      51.3%; Score 19; DB 9; Length 966;
Best Local Similarity 88.6%; Ped. No. 3,2e-11;
Matches 39; Conservative 0; Mismatches 5; Indels 0; Gaps 0
```

Search completed: March 18, 2004, 06:30:18
Job time : 37.2549 secs